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**CONTAMINATION ASSESSMENT REPORT - 1995**

**MARY MCLEOD BETHUNE  
ELEMENTARY SCHOOL / BROWN'S DUMP SITE  
4330 PEARCE STREET  
JACKSONVILLE, FLORIDA**

*Jan 1995*



**EMCON**

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JACKSONVILLE, FLORIDA**

Prepared for

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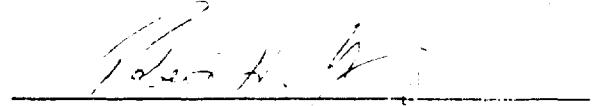
Project 71355.020.010.0003

## Contamination Assessment Report

**Mary McLeod Bethune Elementary School / Brown's Dump Site  
4330 Pearce Street  
Jacksonville, Florida**

The material and data in this report were prepared under the supervision and direction of the undersigned.

EMCON

  
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## **SUMMARY**

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The Duval County School Board contracted EMCON to conduct a contamination assessment of the Mary McLeod Bethune Elementary School, the adjacent Jacksonville Electric Authority (JEA) property and adjacent city right-of-way. The assessment field activities were conducted between June and August 1995. The results of that assessment are summarized as follows:

### **Work Completed**

- Drilled 62 soil borings
- Performed laboratory sieve analysis on soil samples
- Installed eight shallow monitoring wells
- Topographically surveyed the monitoring wells top of casing elevations
- Prepared groundwater contour maps
- Conducted hydraulic conductivity tests on selected wells
- Collected soil samples from the borings at selected depths above, within, and below the ash deposits
- Collected groundwater, surface water, and sediment samples
- Analyzed soil samples for total metals, toxicity characteristic leaching procedure (TCLP) metals, and semivolatile organics
- Analyzed surface water and sediment samples for total metals
- Analyzed groundwater samples for total metals, cyanide, and priority pollutants
- Conducted a well inventory to identify potable supply wells

## FINDINGS

- Twelve soil samples above the ash analyzed for lead did not exceed 500 milligrams per kilogram (mg/kg), except for one sample.
- Sixteen of eighteen soil samples within the ash analyzed for lead exceeded 500 mg/kg.
- None of the 13 soil samples below the ash analyzed for lead exceeded 500 mg/kg.
- One soil sample was analyzed for PCBs. No PCB constituents were detected.
- Soil samples analyzed for TCLP metals did not indicate lead or other RCRA metal concentrations above TCLP limits.
- The top of ash was detected at the surface and at depths up to 6 feet below land surface (bls).
- Ash deposits ranged in thickness from 0 to 22 feet.
- The site is underlain by fine- to medium-grained sand with discontinuous clay lenses.
- Groundwater flows from the south-southeast across the site toward Moncrief Creek.
- Groundwater samples collected from the eight monitoring wells and analyzed for cyanide did not detect concentrations above the detection limit of 0.02 milligrams per liter (mg/L).
- Groundwater samples collected from monitoring wells MW-3, MW-4, MW-5, MW-7, and MW-8 were analyzed by EPA Methods 8260 and 8270. No EPA Methods 8260 or 8270 parameters were detected above their respective detection limits.
- Barium was detected in unfiltered groundwater samples analyzed from wells MW-2, MW-3, MW-5, MW-6, and MW-8, but concentrations were below the FDEP Primary Drinking Water Standard (PDWS) of 2.0 mg/L.
- Cadmium was detected in wells MW-4 and MW-5; however, concentrations were below the PDWS of 0.005 mg/L.
- High turbidity levels were present in the initial sampling event.

- Initial unfiltered samples analyzed for total lead indicated concentrations exceeded PDWS in monitoring wells MW-4, MW-5, MW-6, and MW-8. Wells MW-4, MW-5, MW-6, and MW-8 were resampled on October 12, 1995. Chemical analyses did not detect lead concentrations above PDWS, with the exception of one sample. Unfiltered lead concentrations in well MW-5 were detected at 0.031 mg/L. Unfiltered lead concentrations in wells MW-4, MW-6, and MW-8 were below detection limits.

## CONCLUSIONS

- No organic constituents were detected in the soil samples analyzed.
- Total lead concentrations which exceeded 500 mg/Kg in the soils were limited to material within the ash, except for one sample collected above the ash.
- Initial groundwater samples analyzed from monitoring wells MW-4, MW-5, MW-6, and MW-8 indicated lead concentrations above the PDWS. No other parameters were detected above their respective detection limits. No lead concentrations above PDWS were detected during the resampling event, with the exception of one sample. An unfiltered lead concentration of 0.031 mg/L was detected in well MW-5.
- High turbidity levels encountered during the initial sampling event affected the chemical analyses for lead. Lead concentrations exceeded PDWS in four wells. Resampling and chemical analyses of the four wells indicated turbidity levels had dropped significantly, and lead concentrations above PDWS were present in only one well.
- A well inventory of the Regulatory and Environmental Services Department records located two public supply wells within a 0.5-mile radius of the site. One well was installed into the Floridan aquifer to a depth of 1,045 feet bsl. The depth of the second well was not available. The Floridan aquifer is separated from the upper surficial aquifer by relatively low permeability clays within the Hawthorn Formation. EMCON personnel visited both locations to observe the wells; however, the wells were no longer in use. The well designated as No. 1 on Table 8 was not located. Discussions with residents in the area indicated that the well was no longer used. Well No. 2 was located at an uninhabited building marked with a condemned sign.

# **1 INTRODUCTION**

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## **1.1 Purpose**

On behalf of the Duval County School Board, EMCON prepared this Contamination Assessment Report (CAR) for the Mary McLeod Bethune Elementary School/Brown's Dump Site in Jacksonville, Florida. The site was used to deposit ash from the City of Jacksonville incinerator. The contamination assessment was conducted to evaluate the soil, sediment, surface water, and groundwater for the possible presence of volatile and semivolatile organics, lead and other metals. This report describes the work completed, presents findings obtained during the study, and presents conclusions and recommendations about the contamination assessment. The CAR was prepared in accordance with the Florida Department of Environmental Protection (FDEP) guidelines for "Corrective Actions For Contamination Site Cases."

## **1.2 Site Description**

The subject site is located at 4330 Pearce Street in Jacksonville, Florida. This site may be identified on the Jacksonville Quadrangle, 7.5-Minute Series U.S. Geological Survey Topographic Map in Sections 39 and 55, Townships 1 and 2S, Range 26E (Figure 1). Elevations across the site range from approximately 10 to 24 feet above National Geodetic Vertical Datum (NGVD), and relief is low.

The site consists of approximately 16 acres. Three small school buildings (No. 1, No. 2, and No. 3) are on the property, along with a substation owned by the Jacksonville Electric Authority (JEA) (Figure 2). This investigation concerns the area surrounding the school buildings, including the JEA property in the northeast portion of the site. Also included in this investigation is a small parcel of land on the western property line that encompasses the Bessie Circle cul-de-sac.

The site is bordered on the east by Pearce Street, 33rd Street to the south, Moncrief Creek and a CSXT Railroad line to the north, and residential dwellings (Bessie Circle Apartments) to the west.

The site is within a predominantly residential area.

## **1.3 Site History**

It is reported that the Brown's Dump Site, located at 4330 Pearce Street, was used from approximately 1949 to 1955 as a disposal site for local municipal solid waste and ash from the 5th and Cleveland Streets incinerator. The landfilled area may extend on the north side of Moncrief Creek. Approximately 14 acres of the site were obtained by the Duval County School Board through condemnation procedures in 1955 and are now the site of the Mary McLeod Bethune Elementary School. A smaller section, approximately 2 acres in the northeastern portion of the site, was obtained by the JEA for the construction of a substation.

Based on a telephone interview with Mr. Clinton Brown, former owner of the property, when the incinerator was down, garbage collection trucks brought trash straight to the dump site, where it was deposited and spread out in the low-lying areas. He also reported that once the low-lying areas were filled in, the ash and trash dumping was discontinued.

He also informed us that the site was a hog farm prior to and after dumping. The high and dry land west of the site was used to grow vegetables.

## **1.4 Previous Investigations**

Robert M. Angas and Associates conducted the initial site screening at this site. Thirty soil borings were drilled across the site in 1955, prior to the construction of the school. Most of these borings were drilled in the immediate area of the existing school, while others were spread out across the site to locate ash deposits.

The Environmental Protection Agency (EPA) conducted a site screening investigation on November 1, 1985. Thirteen samples were collected during this study: three surface water, two groundwater, three surface soil, three subsurface soil, and two subsurface saturated zone soil. A copy of the EPA report was included in the Contamination Assessment Plan (CAP). The analytical results of this site screening investigation do not indicate significant contamination of this site with organic materials. "The analytical results do, however, indicate high levels of lead in surface soil samples collected at the school. Subsurface soil sample results indicate that the lead contamination is much less pronounced in samples collected along the southern edge of the school yard, but does continue below the surface on the north side of the school." (EPA, 1985) "Only cyanide, selenium and manganese were reported present in water samples. Cyanide was reported at 11 micrograms per liter ( $\mu\text{g/L}$ ) in sample J21-01W, the upstream water sample, but was not detected in sample J29-05W, a duplicate. Cyanide was reported at 11  $\mu\text{g/L}$  in sample J29-03W, the downstream surface water sample. Sample J29-19W (temporary monitoring well No. 2), contained 13  $\mu\text{g/L}$  of cyanide." (EPA, 1985) Selenium and manganese were detected at low concentrations.

On behalf of the EPA, Roy F. Weston, Inc., collected soil and groundwater samples from the Brown's Dump Site on February 9, 1995. The samples were transmitted to Kiber Environmental Services, Inc., for chemical analyses. A copy of the Kiber analytical report was included in the CAP. One water and 17 soil samples were analyzed for the total RCRA metals by SW-846 Methods 3051, 3015, 6010A, 7470, and 7471. The analytical results indicated that elevated concentrations of lead in soil samples were present. The groundwater analyses did not detect contamination above state guidelines.

The Florida Department of Health and Rehabilitative Services collected and analyzed 35 soil samples and 4 wipe samples from the elementary school on April 26, 1995. A copy of the HRS report was included in the CAP. Chemical analyses indicated that elevated lead concentrations were detected.

## 1.5 Regional Hydrogeology

Table 1 describes the regional stratigraphy, lithology, and hydrogeology of central Duval County. This table was compiled from lithologic logs obtained from the Florida Geological Survey for the following wells: W-73, W-48, W-600, W-610, and W-1044. The locations of these wells are shown on Figure 4 of the CAP.

As shown in Table 1, the study region is underlain by four separate hydrologic units: the surficial aquifer, shallow rock aquifer, Hawthorn Group confining unit, and the Floridan aquifer.

### 1.5.1 Surficial Aquifer

The surficial aquifer is comprised of undifferentiated sand and clay deposits. The surficial aquifer and shallow rock aquifer are separated by discontinuous clay units. The surficial aquifer is approximately 30 to 60 feet thick in the study region.

### 1.5.2 Intermediate Aquifer

Overlying the Hawthorn Group deposits are the undifferentiated shallow rock aquifer deposits. These deposits consist of a heterogeneous mixture of limestone, dolomite, sand, clay, and shell. Phosphate grains and pebbles are also present within this unit. The presence of phosphate grains has prompted others to suggest that these deposits are part of the Hawthorn Group. Scott (1988) suggested that these deposits represent the upper portion of the Coosawhatchie Formation of the Hawthorn Group. The more permeable limestone, dolomite, and shell rich zones of these deposits are termed the shallow rock aquifer. The shallow rock aquifer is of limited areal extent and variable thickness. The

shallow rock aquifer is present within the central and western portions of Duval County but thins toward the east (Fairchild, 1972).

Water from the shallow rock aquifer is commonly used for private, industrial, and irrigation purposes. In portions of Duval County, the shallow rock aquifer is overlain by a confining unit and is under semi-confined conditions. The shallow rock aquifer is hydraulically connected to the surface in areas where there is no confining unit separating the surficial and shallow rock aquifers.

The top of the undifferentiated shallow rock aquifer deposits is at a depth of approximately 30 to 60 feet beneath the site. The thickness of these deposits ranges from 50 to 110 feet (Table 1). The shallow rock aquifer is noticeably thicker in this portion of Duval County.

### **1.5.3 Hawthorn Group**

Unconformably overlying the Ocala Group deposits is the Hawthorn Group. The Hawthorn Group consists primarily of phosphate-rich sandy clay and clayey sand deposits. Intermediate aquifers of limestone, dolomite, and sand are present within the Hawthorn Group. These small intermediate aquifers are sometimes used for private water supply (Leve, 1966). The top of the Hawthorn Group is present from a depth of 110 to 140 feet bbl in the study area. The Hawthorn Group ranges in thickness from 350 to 420 feet beneath the study area. As a whole, the Hawthorn Group effectively confines the Floridan aquifer and intermediate aquifers in the study area. The presence of the Hawthorn Group along with the positive head pressure from the lower confined Floridan aquifer, prevents the migration of surficial contamination into the Floridan or smaller intermediate aquifers beneath the area.

### **1.5.4 Floridan Aquifer**

The Floridan aquifer consists of the Ocala Group deposits of Eocene age. These deposits are comprised of granular to fossiliferous limestone and dolomite. The top of the Floridan aquifer is at a depth of approximately 500 to 520 feet beneath the study area. The Floridan aquifer is over 1,000 feet thick and is the principal source of potable water in the region (Leve, 1966).

## 2 SOIL AND GROUNDWATER QUALITY

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### 2.1 Soil Sampling

Soil borings were drilled as outlined in the CAP. Each boring was drilled using decontaminated 4-inch diameter solid stem auger flights. The auger was slowly screwed into the ground to limit soil movement up the auger flights. Auger flights were added in 5-foot lengths as the depth of the boring was increased. After the borings were drilled to total depth, the augers were removed and the lithology recorded by a qualified hydrogeologist. EMCON installed 62 soil borings across the site (Figure 3). Soil samples were labeled SB-1 through SB-64; however, samples SB-28 and SB-31 were not collected. Lithologic logs for each boring are included in Appendix A. All drill cuttings and decontamination water were containerized in 55-gallon drums and remain on site. Chemical analyses indicate that the soils and water can be disposed as nonhazardous material.

One soil sample was collected and transmitted to Ellis and Associates for sieve analyses. The sieve analyses indicated that a fine-grained sand was present in the sample encountered from 8 to 18 feet bbls. The results are included in Appendix A.

Three soil samples were collected by a qualified hydrogeologist from each of the 62 on-site soil borings. Duplicate samples were collected from locations above the ash, within the ash, and below the ash in each boring. Selected soil samples representing all three zones were transmitted to Southeastern Environmental Laboratories, Inc. (SEL) for analyses of total metals and TCLP metals.

Six additional soil samples (CSS-1 through CSS-6) were collected in the vadose zone using a decontaminated stainless steel hand auger. These soil samples were analyzed for semivolatile organic parameters by EPA Method 8270. No EPA Method 8270 constituents were detected above their respective method detection limit. Figure 3 shows the locations of the soil samples.

One soil sample was collected from boring SB-20 (within the ash) and analyzed for PCBs by EPA Method 8080 (Figure 3). No PCBs were detected in this sample.

As outlined in the CAP, approximately 20 percent of the 62 samples were analyzed for the 8 RCRA metals above the ash, 30 percent were analyzed within the ash, and 20 percent were analyzed below the ash.

Chemical analyses of 12 soil samples from above the ash in borings SB-4A, SB-13A, SB-16A, SB-17A, SB-22A, SB-26A, SB-33A, SB-40A, SB-43A, SB-46A, SB-51A, and SB-53A reported lead concentrations ranging from 1.47 milligrams per kilogram (mg/Kg) to 2530 mg/Kg. Only soil sample SB-51A (2,530 mg/Kg), collected from above the ash, reported lead concentrations above 500 mg/Kg. The second highest concentration reported was 228 mg/Kg in boring SB-16A. Table 2 presents the Summary of Soil Analyses above the ash. The complete laboratory reports are included in Appendix B.

Eighteen soil samples (SB-3W, SB-9W, SB-12W, SB-16W, SB-20W, SB-30W, SB-33W, SB-34W, SB-35W, SB-37W, SB-38W, SB-44W, SB-48W, SB-51W, SB-52W, SB-57W, SB-61W, and SB-63W) collected from within the ash were analyzed for the 8 RCRA total metals. Arsenic was detected in sample SB-9W at a concentration of 115 mg/Kg. Lead was detected at concentrations above 500 mg/Kg in 16 of the 18 samples. Lead concentrations ranged from 753 mg/Kg to 7460 mg/Kg. Lead concentrations in soil samples from borings SB-34W and SB-57W were 311 mg/Kg and 88.9 mg/Kg, respectively.

Barium, cadmium, chromium, mercury, and silver, were detected in chemical analyses, but at low concentrations. Table 3 shows the summary of the chemical analyses for samples from within the ash. Complete laboratory reports are included in Appendix B.

Thirteen soil samples (SB-3B, SB-16B, SB-20B, SB-26B, SB-30B, SB-24B, SB-38B, SB-46B, SB-48B, SB-51B, SB-52B, SB-57B, and SB-61B) were collected from below the ash and analyzed for the 8 RCRA total metals. Table 4 presents the results of the analyses. As shown, barium, cadmium, chromium, and lead were detected; however, concentrations of each parameter were low. Lead concentrations ranged from 3.18 mg/Kg in SB-61B to 209 mg/Kg in sample SB-26B. Complete laboratory reports are included in Appendix B.

Selected duplicate soil samples from above, within, and below, the ash were analyzed for the TCLP metals, including cadmium, barium, chromium, selenium, lead, mercury, and silver.

Soil samples were collected from above the ash in borings SB-16A and SB-51A and analyzed for TCLP metals barium, chromium, and lead. Sample SB-16A was also analyzed for TCLP cadmium. The TCLP lead analyses for SB-16A was reported at 543 mg/L. This sample was re-analyzed and reported at <1 mg/L. None of the other TCLP metals' analyses exceeded the EPA standards.

Soil samples were collected from within the ash in borings SB-9W, SB-20W, SB-30W, SB-33W, SB-35W, SB-37W, SB-48W, and SB-51W. The samples were analyzed for TCLP metals barium, cadmium, chromium, lead, mercury, or silver. Chemical analyses indicated that none of the samples exceeded the EPA TCLP standards.

Soil samples were collected from below the ash in borings SB-3B and SB-26B. The samples were analyzed for TCLP metals barium, cadmium, chromium, or lead. Chemical analyses indicated that none of the samples exceeded the EPA standards. Table 5 presents a summary of the TCLP analyses.

## 2.2 Groundwater Sampling

EMCON installed 8 shallow monitoring wells across the site following the specifications outlined in the CAP (Figure 4). The wells were installed using decontaminated hollow stem augers. Based on the grain size analyses (Appendix A), each monitoring well was constructed using 0.010-inch slotted screen. A 20/30 grade filter sand was placed in the annular space between the well screen and the borehole, from the bottom of the screen to approximately 1 foot above the top of the screen. Depths of the wells ranged from 10.5 feet to 26.5 feet bls. Lithologic logs are included in Appendix A. Table 6 presents the monitoring well construction details. Figure 5 shows a construction diagram of a typical shallow monitoring well. All drill cuttings and development water were containerized in 55-gallon drums and remain on site. Chemical analyses indicate that the drums can be disposed as nonhazardous material.

Groundwater samples were collected from the eight monitoring wells on August 4, 1995. The samples were transmitted under chain-of-custody to SEL for chemical analyses. Samples from each well were analyzed for the 8 RCRA metals and cyanide. Samples from monitoring wells MW-3, MW-4, MW-5, MW-7, and MW-8 were also analyzed for priority pollutants by EPA Methods 8260 and 8270. No EPA Method 8260 or 8270 parameters were detected in the samples. Cyanide was not detected in any of the samples.

Lead concentrations above the Primary Drinking Water Standard (PDWS) of 0.015 mg/L were detected in unfiltered samples from wells MW-4, MW-5, MW-6, and MW-8. Lead concentrations were reported at 0.395 mg/L in MW-4, 1.49 mg/L in MW-5, 0.111 mg/L in MW-6, and 0.020 mg/L in MW-8. Monitoring wells MW-4, MW-5, MW-6, and MW-8 were resampled on October 12, 1995. The samples were analyzed for filtered and unfiltered lead concentrations. No lead concentrations exceeded the PDWS, with the exception of one sample. Unfiltered lead concentrations were detected in well MW-5 at 0.031 mg/L. All other concentrations from the resampling event were below detection limits.

Turbidity measurements influenced the chemical analyses for metals during the initial sampling extent. Turbidity levels were measured in the field during the initial sampling

at 69 nephelometric technical units (NTUs) in well MW-4, >100 NTUs in MW-5, 62 NTUs in MW-6, and 70 NTUs in MW-8. During the resampling event, turbidity levels were measured at 3.7 NTUs in MW-4, 20 NTUs in MW-5, 5.6 NTUs in MW-6, and 1.8 NTUs in MW-8.

Table 7 presents a summary of groundwater analyses. Filtered samples reported lead concentrations of 0.104 mg/L in MW-4, 0.114 mg/L in MW-5, <0.005 mg/L in MW-6, and 0.007 mg/L in MW-8. No filtered lead concentrations were detected above the detection limits during the resampling event. Complete laboratory reports are included in Appendix C.

## 2.3 Surface Water and Sediment Sampling

Four surface water and four sediment samples were collected from locations along Moncrief Creek. Figure 2 shows the locations of the surface water and sediment samples.

Each of the samples was analyzed for the 8 RCRA metals. No metals were detected in the surface water samples SW-1 through SW-4. Low levels of barium, chromium, and lead were detected in each of the sediment samples SS-1 through SS-4. The highest concentration of barium was reported in SS-1 at 3.28 mg/Kg. The highest concentration of chromium was 2.12 mg/Kg in SS-1. The highest concentration of lead was detected in SS-1 at 8.08 mg/Kg. Arsenic was detected in sediment sample SS-4 at 1.76 mg/Kg.

## 2.4 Site Specific Geology and Hydrogeology

### 2.4.1 Lithology

The lithology of the upper part of the surficial aquifer was characterized from the 62 soil borings and 8 monitoring wells installed across the site.

The site is underlain by a fine- to medium-grained tan sand from land surface to a depth of at least 6 feet bls. An ash conglomerate, composed of very fine-grained sediments, glass fragments, metal fragments, and other debris, is present from depths ranging from land surface to approximately 25 feet bls. The maximum thickness of the ash conglomerate encountered in the soil borings was 22 feet, which was found in boring SB-38. A discontinuous orange to gray clay was found at depths ranging from 2 feet bls to 11 feet bls. The maximum thickness of the clay was 6 feet. A fine- to medium-grained tan to light brown sand was encountered in well MW-6 from 20 to 26.5 feet bls.

## 2.4.2 Aquifer Characteristics and Groundwater Movement

Water level data collected on August 4, 1995, are presented in Table 8. A groundwater contour map which represents groundwater elevation data from August 4, 1995, is provided as Figure 6. The direction of groundwater flow in the shallow surficial aquifer is toward the north-northwest. Groundwater flows toward Moncrief Creek which runs along the northern property line. Potentiometric lines are widely spaced in the southern portion of the site; however, they become closely spaced in the northern portion of the site. This indicates a relatively flat gradient in the southern portion of the site, becoming steeper as groundwater flow approaches Moncrief Creek. Potentiometric lines are parallel and perpendicular to the north-northwest flow direction.

Rising head slug tests were performed on three of the shallow monitoring wells, MW-1, MW-4, and MW-8. The rising head slug tests were conducted by inserting a bailer into the well and allowing the water level to stabilize. An electronic datalogger was used to record the change in water level at specific time intervals. The datalogger was initiated and the bailer was removed with a slug of water. Water level recovery information is included in Appendix D.

The Bouwer and Rice Method (Bouwer and Rice, 1976) for unconfined aquifers was used to calculate horizontal hydraulic conductivity adjacent to the well screen. Appendix D contains the graphs of hydraulic conductivity for each monitoring well. Hydraulic conductivity values ranged from 3.888 ft/day to 8.209 ft/day. An average hydraulic conductivity ( $K_h$ ) of 0.0038 ft/min or 5.52 ft/day was calculated for the upper surficial aquifer. Using a modified form of Darcy's equation, the groundwater flow rate was calculated.

A porosity of 0.20 was used for the upper surficial aquifer (Heath, 1989). Hydraulic gradients ranged from 0.024 ft/ft to 0.58 ft/ft. The average hydraulic gradient was estimated to be 0.038 ft/ft. The groundwater flow rate ( $V_h$ ) was calculated to range from 0.73872 ft/day (270 ft/yr) to 1.55952 ft/day (569 ft/yr). Calculations are provided in Appendix B.

## 2.5 Well Inventory

A primary concern associated with surface or near surface contamination is the potential effect on nearby drinking water supplies; therefore, a well inventory was conducted within a 0.5-mile radius of the site to locate public supply wells (Duval County, 1995). The Regulatory and Environmental Services Department records were researched to locate potable supply wells. Two potable public supply wells were identified during the well inventory. Table 9 presents the information on the wells. Figure 7 shows the locations of the wells relative to the site. EMCON personnel visited both locations to observe the wells; however, the wells were no longer in use. The well designated as

No. 1 on Table 9 was not located. Discussions with residents in the area indicated that the well was no longer used. Well No. 2 was located at an uninhabited building marked with a condemned sign.

Residential and commercial establishments in the area are supplied potable water by the City of Jacksonville Utilities. A drive-through well inventory was also conducted by EMCON personnel to locate wells within a 0.25-mile radius of the site. No wells were identified during the search. Other wells which were not identified may be present within a 0.5-mile radius.

## 2.6 Ash Thickness

Based on the data collected during the drilling of soil borings (SB-1 through SB-64), cross sections A-A', B-B', and C-C' were constructed to examine the thickness of the ash deposits across the site. Figure 8 presents the west to east cross section A-A' for the northern portion of the site. Figure 9 presents the north to south cross section B-B'. Figure 10 presents the west to east cross section C-C' in the southern portion of the site.

As shown in cross section A-A', ash deposits are thickest in borings SB-61 and SB-52. Ash is present across the entire cross section. Ash ranges in thickness from 3.5 feet to 13 feet and is present at land surface to a depth of 2 feet bls. Ash is thickest in the western portion of the site.

As shown in the cross section B-B', ash is thickest in the northern portion of the site. Boring SB-48 encountered 18 feet of ash. Ash content diminishes toward the south along the cross section until the ash disappears in boring SB-43. Ash is not present south of boring SB-43.

As shown in cross section C-C', ash was only encountered in two soil borings in the southern portion of the site. Boring SB-50 encountered 5 feet, and boring SB-1 encountered 1 foot of ash. The ash was encountered at 2 feet bls in SB-50 and at 1 foot bls in SB-1.

Figure 11 shows the depth at which ash was encountered in soil borings across the site. As shown, the majority of the ash identified in the northern portion of the site and along the western boundary is at land surface (below grass cover). The maximum depth at which ash was detected was 2 feet bls. The areas where the cover was 2 feet thick were in borings SB-61 and SB-46 in the west central portion of the site; SB-50 in the southwestern portion of the site; and SB-2 in the southeastern portion of the site. There is an area in the south central portion of the site that has 1 foot of cover above the ash.

### **3 CONCLUSIONS**

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The site is underlain by tan to orangish to brown fine- to medium-grained sand to a depth of at least 27 feet bls. Within this upper sand unit, a predominantly orange clay unit was found as shallow as land surface and as deep as 25 feet bls. The clay unit ranged in thickness from 1 foot to 6 feet. This clay unit does not appear to be a continuous unit across the entire site. Incinerator ash was present across most of the site from land surface to a maximum depth of 22 feet bls. The thickness of the ash ranged from 0 to 22 feet. The ash contained multiple glass and metal fragments.

The water level data collected on August 4, 1995, indicated that the direction of groundwater flow was toward the north-northwest. Potentiometric surface lines are relatively flat in the southern portion of the site, becoming steeper as they approach Moncrief Creek in the northern portion of the site. The lines are parallel and perpendicular to the north-northwest direction of groundwater flow.

Soil samples collected in each boring from above, within, and below, the ash were analyzed for the 8 RCRA metals. Chemical analyses of 12 samples collected above the ash reported 1 sample with lead concentrations above 500 mg/Kg. Soil samples analyzed from within the ash reported lead concentrations above 500 mg/Kg in 16 of 18 samples. Samples analyzed from below the ash did not detect lead concentrations above 500 mg/Kg. The highest lead concentrations are limited to the actual thickness of the ash. The lead concentrations above and below the ash are low compared to concentrations within the ash. The highest lead concentrations were detected in the northern portion of the property. Selected soil samples from above, within, and below the ash were analyzed for TCLP metals. No TCLP analyses for metals detected concentrations above the EPA standards.

The drums of drill cuttings will be disposed of as nonhazardous material at an approved facility. The drums of well development, purge, and decontamination water will be transported to an approved facility and disposed as nonhazardous.

Arsenic was detected in one soil sample collected from within the ash. The arsenic detected appears to be an isolated case.

EPA Method 8270 constituents were analyzed in six composite soil samples collected from the vadose zone; however, no constituents were detected above their respective detection limits.

One soil sample was analyzed for PCBs. No PCBs were detected. Chemical analyses for the 8 RCRA metals in the four surface water samples indicated that no PDWS were exceeded. Low levels of metals were detected in the sediment samples. These metal concentrations may be from upgradient sources. Moncrief Creek, which flows toward the northeast, has documented contamination upgradient of this site.

Groundwater samples were collected from the eight on-site monitoring wells and analyzed for cyanide and the 8 RCRA metals. Samples from five of the eight wells were analyzed for priority pollutants by EPA Methods 8260 and 8270. Cyanide or priority pollutant concentrations were not identified above their respective detection limits. Lead concentrations were detected in wells MW-4, MW-5, MW-6 and MW-8 above the PDWS. These four wells were resampled and analyzed for total lead concentrations. Unfiltered lead concentrations exceeded PDWS in one sample. Lead concentrations were detected in well MW-5 at 0.031 mg/L. No filtered lead concentrations were detected above the detection limits during the resampling event.

High turbidity levels affected the lead analyses during the initial sampling event. The turbidity levels dropped during the resampling event and the lead concentrations were also lower. It is our opinion that once the turbidity levels drop in monitor well MW-5, lead concentrations will also decrease.

A well inventory of the Regulatory and Environmental Services Department records located two public supply wells within a 0.5-mile radius of the site. One well was installed into the Floridan aquifer to a depth of 1,045 feet bls. The depth of the second well was not available. The Floridan aquifer is separated from the upper surficial aquifer by relatively low permeability clays within the Hawthorn Formation. EMCON personnel visited both locations to observe the wells; however, the wells were no longer in use. The well designated as No. 1 on Table 8 was not located. Discussions with residents in the area indicated that the well was no longer used. Well No. 2 was located at an uninhabited building marked with a condemned sign.

Cross sections and boring logs indicate that the thickest ash deposits are in the north and northwestern portions of the site. Thin deposits of ash were present in specific borings in the southern portion of the site, but ash deposits were not continuous across the cross section.

## **4 RECOMMENDATIONS**

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Analysis of the data suggests that corrective action is necessary. This may involve construction of a physical barrier system to cover the ash. The objective of the barrier is to cover the on-site ash while limiting the potential airborne and dermal exposure of humans. An engineering feasibility study is recommended to select a safe, cost effective, and environmentally compatible system. Design considerations would evaluate potential human exposure risks during construction and long-term reliability of the cover system.

An alternative to be evaluated involves placement of at least 2 feet of backfill over the on-site ash. Drainage, erosion protection, and sediment control plans would be prepared to minimize site grading. The results of the feasibility study would present a recommended preliminary engineered cover system, which would be the design basis for detailed engineering plans and specifications. The preliminary engineering design could be submitted within 90 days after the CAR approval.

## LIMITATIONS

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The purpose of a geologic/hydrogeologic study is to reasonably characterize existing site conditions based on the geology/hydrogeology of the area. In performing such a study, it is understood that a balance must be struck between a reasonable inquiry into the site conditions and an exhaustive analysis of each conceivable environmental characteristic. The following paragraphs discuss the assumptions and parameters under which such an opinion is rendered.

No investigation is thorough enough to describe all geologic/hydrogeologic conditions of interest at a given site. If conditions have not been identified during the study, such a finding should not therefore be construed as a guarantee of the absence of such conditions at the site, but rather as the result of the services performed within the scope, limitations, and cost of the work performed.

We are unable to report on or accurately predict events that may change the site conditions after the described services are performed, whether occurring naturally or caused by external forces. We assume no responsibility for conditions we were not authorized to evaluate, or conditions not generally recognized as predictable when services were performed.

Geologic/hydrogeologic conditions may exist at the site that cannot be identified solely by visual observation. Where subsurface exploratory work was performed, our professional opinions are based in part on interpretation of data from discrete sampling locations that may not represent actual conditions at unsampled locations.

## **REFERENCES**

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**TABLES**

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**Table 1**

**Regional Hydrogeology Central Duval County  
Mary McLeod Bethune Elementary School / Brown's Dump**

Page 1 of 1

Stratigraphic Unit	Depth to Top of Unit (ft bls)	Thickness of Unit (ft)	Lithology	Hydrologic Unit	Aquifer Use
Undifferentiated sand, and clay deposits	0	30 to 60	Interbedded sand, silt and clay deposits	Surficial aquifer	Little or no use
Undifferentiated shallow-rock aquifer deposits	30 to 60	50 - 110	Interbedded limestone, dolomite, sandy limestone, sand and clay deposits, some phosphate-rich zones	Shallow rock aquifer (note surficial and shallow rock aquifers separated by discontinuous clay deposits)	Private, industrial, and irrigation wells
Hawthorn Group	110 - 140	350 - 420	Phosphate-rich clays, sandy clay, and clayey sand deposits. Some limestone, dolomite, and sand deposits	Confining unit with small intermediate aquifers	Small intermediate aquifers within Hawthorn are sometimes used for private supply wells
Ocala Group	500 - 520	>1,000	Limestone and dolomite	Floridan aquifer	Private and public supply wells

NOTE: Compiled from lithologic logs of wells W-48, W-73, W-600, W-610, and W-1044. See Figure 4 of the Contamination Assessment Plan.  
bls = below land surface.

**Table 2**  
**Summary of Soil Analyses Above the Ash**  
**Mary McLeod Bethune Elementary School / Brown's Dump**

**mg/Kg**

Page 1 of 1

Designated Parameter	SB-4A	SB-13A	SB-16A	SB-17A	SB-22A	SB-26A	SB-33A	SB-40A	SB-43A	SB-46A	SB-51A	SB-53A
Date Sampled	7/24/95	7/24/95	7/26/95	7/26/95	7/25/95	7/27/95	7/26/95	7/25/95	7/25/95	7/27/95	7/26/95	7/25/95
Arsenic	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0
Barium	66.6	2.8	89.6	1.66	9.8	58.5	21.8	19.4	9.10	34.0	276	4.80
Cadmium	1.08	<1.0	1.24	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.68	<1.0
Selenium	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
Chromium	4.0	<1.0	6.52	1.32	1.44	3.32	2.58	2.06	1.12	6.06	8.68	1.12
Lead	193	4.18	228	1.47	5.0	118	49.3	19.4	14.1	34.5	2,530	9.76
Mercury	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Silver	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.20	<1.0

NOTE: mg/Kg = milligrams per kilogram.

**Table 3**  
**Summary of Soil Analyses Within the Ash**  
**Mary McLeod Bethune Elementary School / Brown's Dump**

**mg/Kg**

Page 1 of 1

Designated Parameter	SB-3W	SB-9W	SB-12W	SB-16W	SB-20W	SB-30W	SB-33W	SB-34W	SB-35W	SB-37W	SB-38W	SB-44W	SB-48W	SB-51W	SB-52W	SB-57W	SB-61W	SB-63W
Date Sampled	7/24/95	7/26/95	7/25/95	7/26/95	7/25/95	7/27/95	7/26/95	7/26/95	7/27/95	7/27/95	7/27/95	7/25/95	7/26/95	7/26/95	7/26/95	7/25/95	7/26/95	
Arsenic	<5.0	115	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
Barium	752	344	388	484	1,020	552	356	127	380	1,700	386	298	1,060	688	1,300	856	276	515
Cadmium	6.48	17.1	7.6	8.52	8.84	9.72	4.12	3.8	5.08	11.5	6.28	3.8	9.4	8.32	10.8	<1	10.4	10
Selenium	<5.0	<10.0	<20.0	<5.0	<20.0	<10.0	<5.0	<5.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<5.0	<10.0	<5
Chromium	32.7	12.3	19.7	16.2	37.9	17.6	9.28	9.84	21	38.1	9.18	12.4	22	15.9	28.3	3.06	15.8	22.1
Lead	1,330	1,890	1,780	1,490	3,970	1,490	1,190	311	753	1,530	1,000	768	2,160	2,100	1,820	88.9	2,000	7,460
Mercury	<0.5	0.6	0.525	<0.5	<0.5	1.05	1.32	<0.5	<0.5	<0.5	<0.5	0.66	<0.5	<0.5	<0.5	<0.5	<0.5	0.695
Silver	1.89	7.05	3.43	3.25	137	1.45	1.36	1.07	1.13	1.43	1.56	1.31	1.34	1.58	2.53	<1	1.85	1.41

NOTE: mg/Kg = milligrams per kilogram.

**Table 4**

**Summary of Soil Analyses Below the Ash  
Mary McLeod Bethune Elementary School / Brown's Dump**

**mg/Kg**

**Page 1 of 1**

Designated Parameter	SB-3B	SB-16B	SB-20B	SB-26B	SB-30B	SB-34B	SB-38B	SB-46B	SB-48B	SB-51B	SB-52B	SB-57B	SB-61B
Date Sampled	7/24/95	7/26/95	7/25/95	7/27/95	7/27/95	7/26/95	7/27/95	7/27/95	7/26/95	7/26/95	7/26/95	7/25/95	7/26/95
Arsenic	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0
Barium	13.5	15.3	10.5	252	6.82	17.8	57.3	6.6	10.2	18.5	6.1	3.11	14.6
Cadmium	<1.0	<1.0	<1.0	2.88	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Selenium	<1.0	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0
Chromium	4.98	3.06	2.44	6.92	1.52	2.08	4.04	<1.0	1.96	5.82	<1	<1	4.46
Lead	18.1	5.43	18.9	209	7.41	14	94.7	15.5	8.2	12.8	12.8	3.66	3.18
Mercury	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Silver	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

NOTE: mg/Kg = milligrams per kilogram.

**Table 5**  
**Summary of TCLP Analyses**  
**Mary McLeod Bethune Elementary School / Brown's Dump**

mg/L

Page 1 of 1

Designated Parameter	SB-16A		SB-51A	SB-3B	SB-26B	SB-9W	SB-20W	SB-30W	SB-33W	SB-35W	SB-37W	SB-48W	SB-51W
Date Sampled	7/26/95		7/26/95	7/24/95	7/27/95	7/26/95	7/25/95	7/27/95	7/26/95	7/27/95	7/27/95	7/26/95	7/26/95
TCLP Arsenic	NA		NA	NA	NA	<0.5	NA						
TCLP Barium	1.07		1.58	1.55	2.33	<0.5	<0.5	0.83	NA	NA	1.83	1.36	2.05
TCLP Cadmium	<0.5		NA	NA	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	<0.5	<0.5
TCLP Selenium	NA		NA										
TCLP Chromium	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	<0.5	<0.5
TCLP Lead	543	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.69	NA	1.15	1.71	<1.0	1.23
TCLP Mercury	NA		NA	NA	NA	<0.1	NA	<0.1	<0.1	NA	NA	NA	NA
TCLP Silver	NA		NA	NA	NA	<0.5	<0.5	<0.5	NA	NA	NA	<0.5	NA

NOTE: mg/L = milligrams per liter.

NA = not analyzed.

**Table 6**

**Monitoring Well Completion Summary  
Mary McLeod Bethune Elementary School / Brown's Dump**

Page 1 of 1

Well Designation	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8
Date Completed	8/1/95	7/31/95	7/27/95	7/31/95	7/31/95	7/31/95	7/31/95	8/1/95
Aquifer Monitored	surficial							
Location	Figure 4							
Total Depth (ft, bsl)	12.5	15.5	13.5	10.5	13.5	26.5	23.5	10.5
Top of Casing Elevation (ft*)	25.15	21.56	22.61	17.59	15.00	21.40	21.43	22.86
Casing Diameter(s) (in)	2	2	2	2	2	2	2	2
Casing Type	PVC							
Casing Length(s) (ft)	2	5	3	2	3	16	13	2
Screen Type	machine slot PVC							
Slot Size (in)	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Screen Length (ft)	10	10	10	8	10	10	10	8
Screened Interval (ft, bsl)	2-12	5-15	3-13	2-10	3-13	16-26	13-23	2-10

NOTE: \* Top of casing elevation referenced to contour interval from USGS 7.5-Minute Topographic Quadrangle, Jacksonville, Florida.

**Table 7**

**Summary of Groundwater Analyses  
Mary McLeod Bethune Elementary School / Brown's Dump**

**(mg/L)**

**Page 1 of 1**

Parameter	FDEP Primary Drinking Water Standards (mg/L)	MW-1	MW-2	MW-3	MW-4		MW-5		MW-6		MW-7	MW-8	
Date Sampled		08/04/95	08/04/95	08/04/95	08/04/95	10/12/95	08/04/95	10/12/95	08/04/95	10/12/95	08/04/95	08/04/95	10/12/95
<b>Barium</b>	2.0	<0.1	0.102	0.114	<0.1		1.43		0.155		<0.1	0.184	
Unfiltered		<0.1	<0.1	<0.1	<0.1		0.252		0.117		<0.1	<0.1	
Filtered													
<b>Cadmium</b>	0.005	<0.003	<0.003	<0.003	0.004		0.004		<0.003		<0.003	<0.003	
Unfiltered		<0.003	<0.003	<0.003	0.003		<0.003		<0.003		<0.003	<0.003	
Filtered													
<b>Lead</b>	0.015	<0.005	<0.005	<0.005	0.395	<0.005	1.49	0.031	0.111	<0.005	<0.005	0.020	<0.005
Unfiltered		<0.005	<0.005	<0.005	0.104	<0.005	0.114	<0.005	<0.005	<0.005	<0.005	0.007	<0.005
Filtered													
<b>Turbidity (NTU)</b>					69	3.7	>100	20	62	5.2		70	1.8
NOTE:	mg/L	=	milligrams per liter.										
	NTU	=	nephelometric technical units.										

**Table 8**

**Water Level and Topographic Data**

**Mary McLeod Bethune Elementary School / Brown's Dump Site  
Jacksonville, Florida**

Page 1 of 1

Well Designation	Top of Casing Elevation (ft, msl)	8/4/95	
		Depth to Water (ft)	Water Level Elevation (ft, msl)
MW-1	25.15	5.69	19.46
MW-2	21.56	2.21	19.35
MW-3	22.61	5.06	17.55
MW-4	17.59	5.11	12.48
MW-5	15.00	4.65	10.35
MW-6	21.40	14.43	6.97
MW-7	21.43	11.87	9.56
MW-8	22.86	6.20	16.66

NOTE: Assumed datum referred to contour elevation or benchmark in the vicinity of this site taken from the USGS 7.5-Minute Topographic Quadrangle Map, Jacksonville, Florida.

msl = mean sea level.

**Table 9**

**Well Inventory**

**Mary McLeod Bethune Elementary School / Brown's Dump Site  
Jacksonville, Florida**

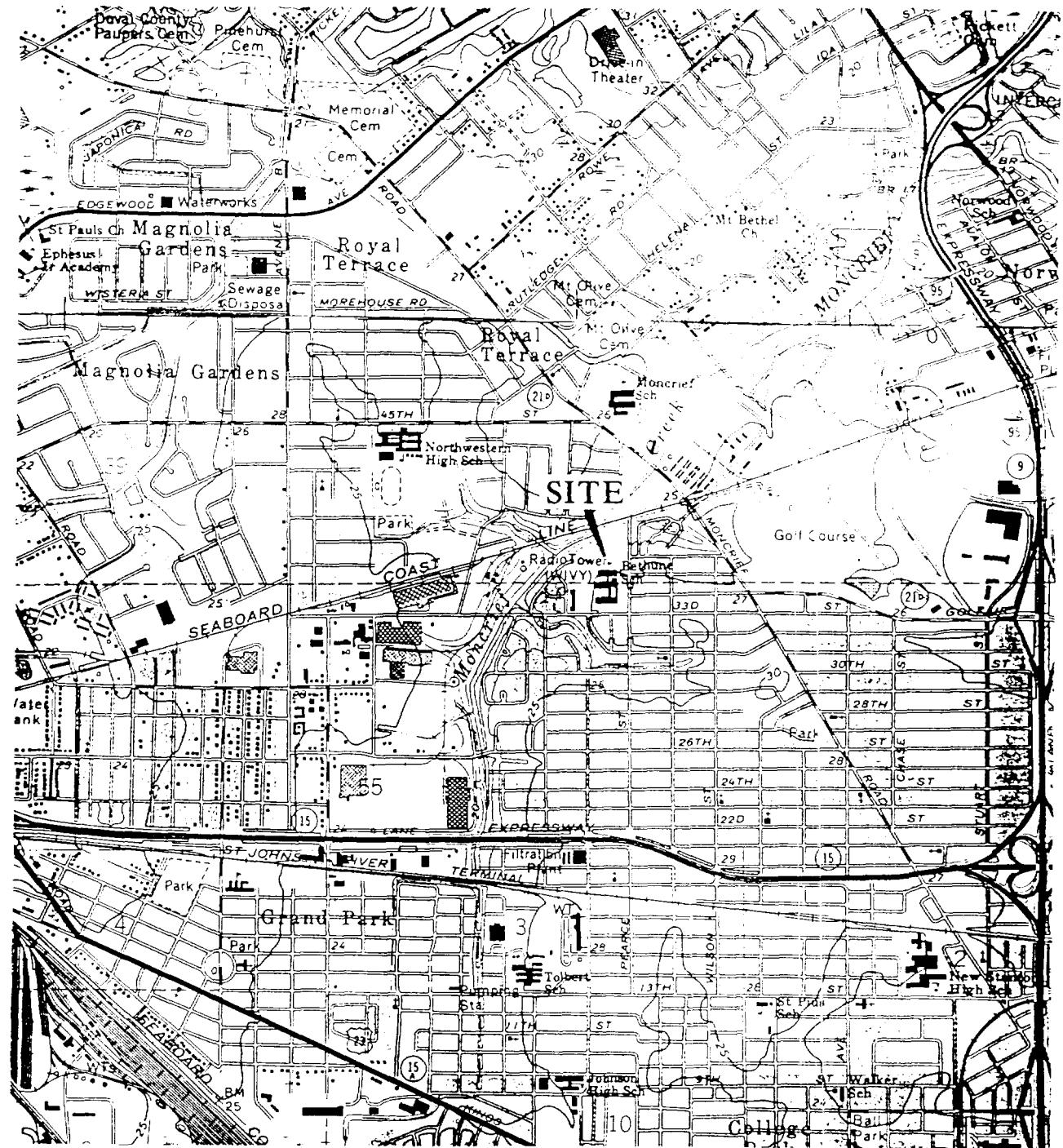
Page 1 of 1

Well Designation	Duval County "J" Number	Location	Owner	Depth (ft)	Date Drilled	Use
1	J2302	18334 W. 45th Street	Taylor S. Miller	ND	ND	Abandoned
2	J229	Fairfax and West 23rd Street	City	1,045	12/08/71	Not in use

NOTE: See Figure 7 for well locations.  
ND = no data.  
PS = public supply.

## **FIGURES**

---



SCALE

0 1/2

• MII 5

F. FLORIDA

CONTOUR INTERVAL 5 FEET

BASE MAP FROM USGS 7.5' QUADRANGLE MAP : JACKSONVILLE, FLORIDA, PHOTOREVISED, 1932

QUADRANGLE LOCATION



**Emcon**

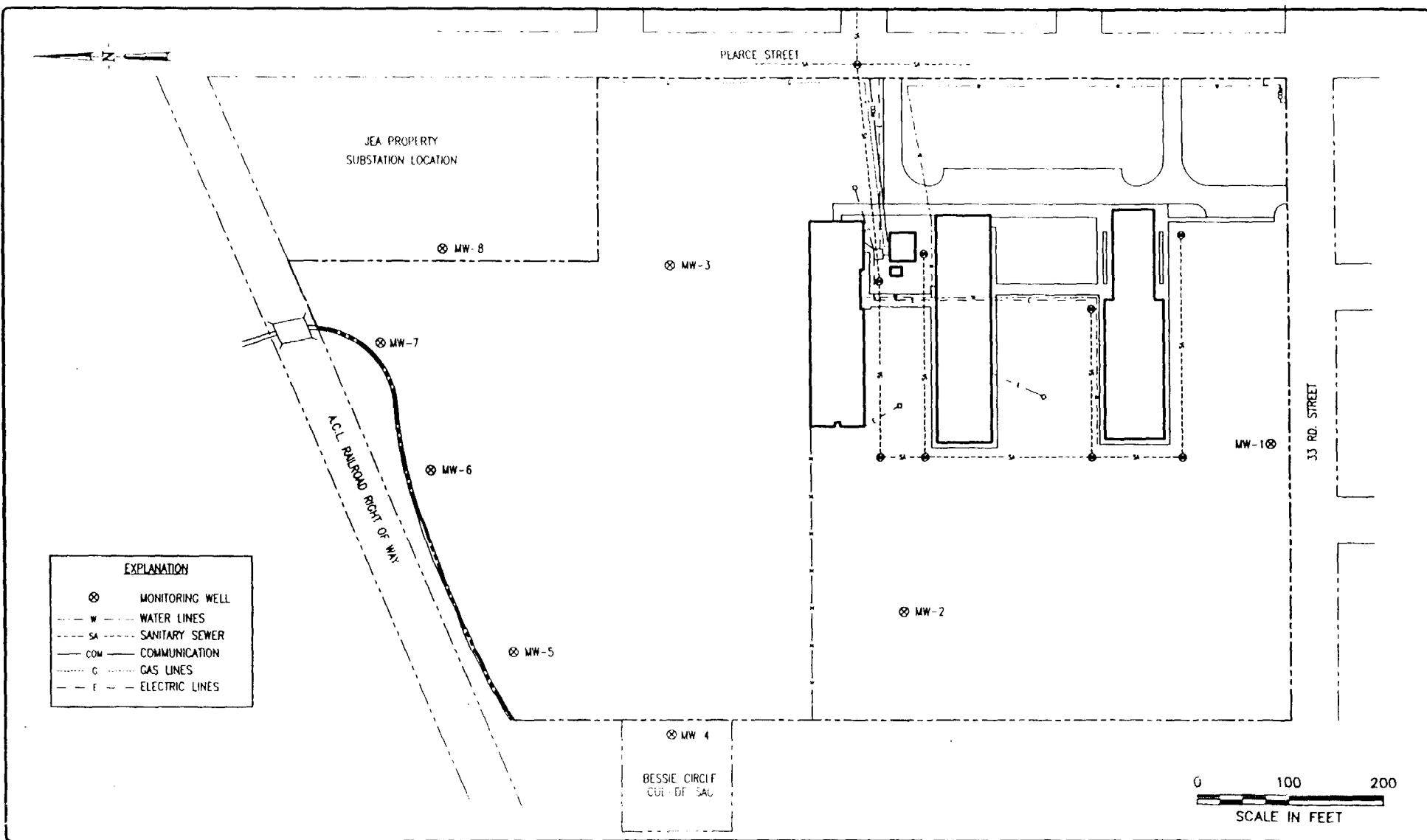
MARY MCLEOD BETHUNE ELEMENTARY  
SCHOOL / BROWN'S DUMP  
4330 PEARCE STREET  
JACKSONVILLE, FLORIDA

**SITE LOCATION**

## FIGURE

1

PROJECT NO.  
71355.020.010



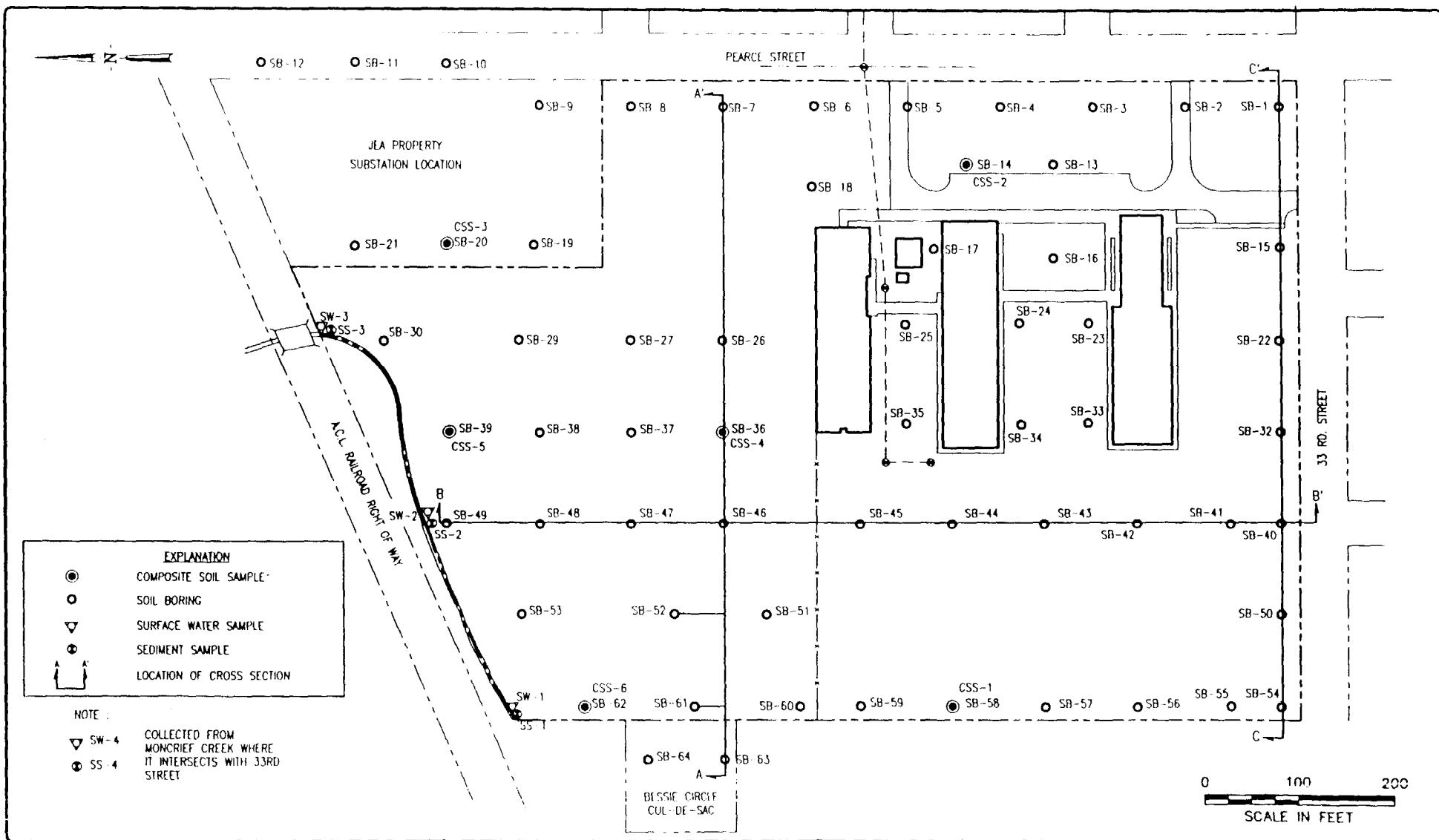
**EMCON**

REVISION	DATE	DESCRIPTION	DRAWN BY	DATE	REV.	DATE	REV.

MARY MCLEOD BETHUNE ELEMENTARY SCHOOL/BROWN'S DUMP  
DUVAL COUNTY SCHOOL BOARD  
4330 PEARCE STREET  
JACKSONVILLE, FLORIDA

SITE MAP

**FIGURE 2**  
PROJECT NO.  
71355.020.010



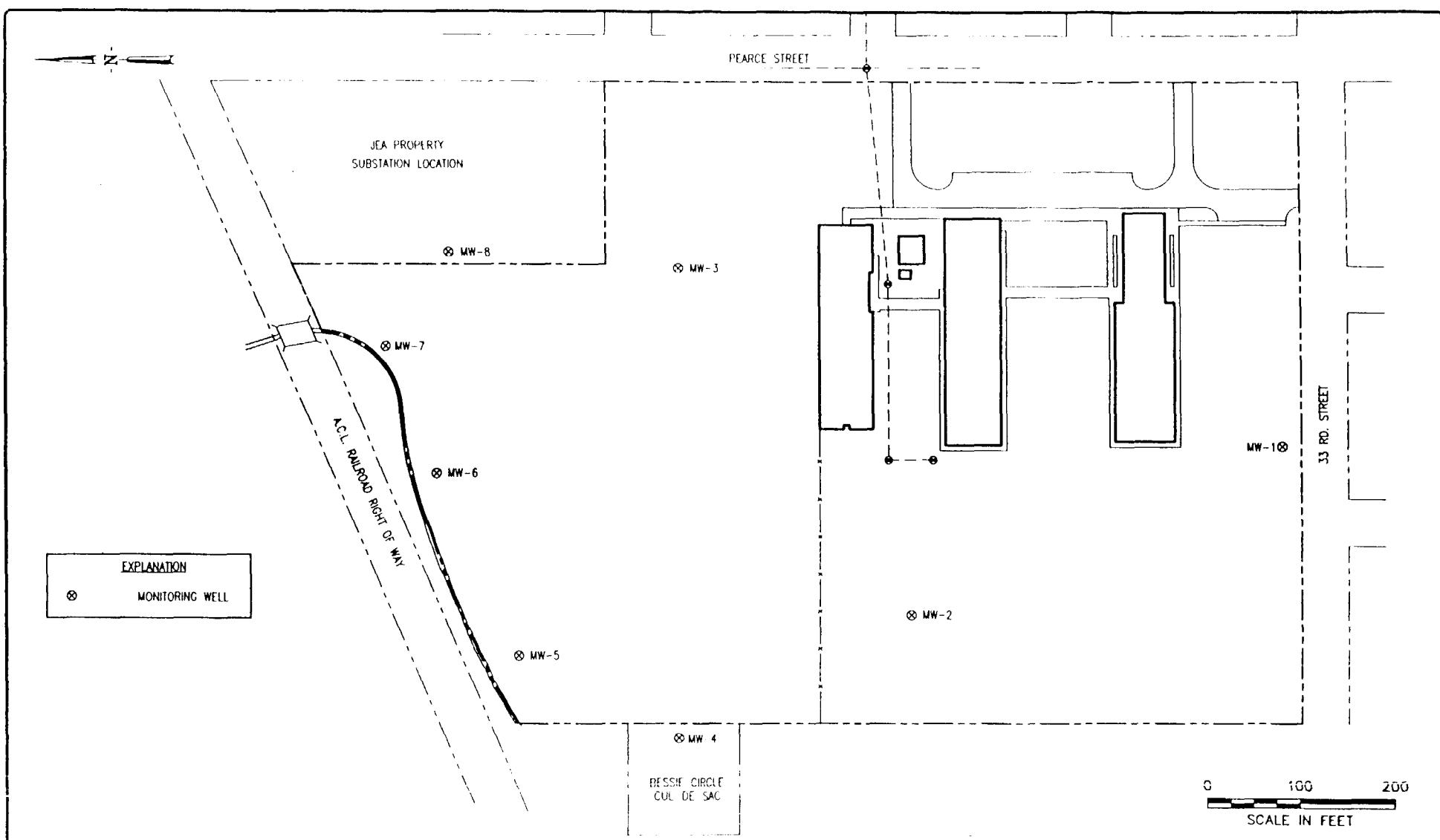
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DATE OF ISSUE						

NAME: N:\\DWG\\1355\\020\\010\\003SEP\\DWG DATE: OCT 16, 1995 TIME: 8:19 AM

MARY MCLEOD BETHUNE ELEMENTARY SCHOOL/BROWN'S DUMP  
DUVAL COUNTY SCHOOL BOARD  
4330 PEARCE STREET  
JACKSONVILLE, FLORIDA

SOIL BORING LOCATION

FIGURE  
3  
PROJECT NO.  
71355.020.010



**EMCON**

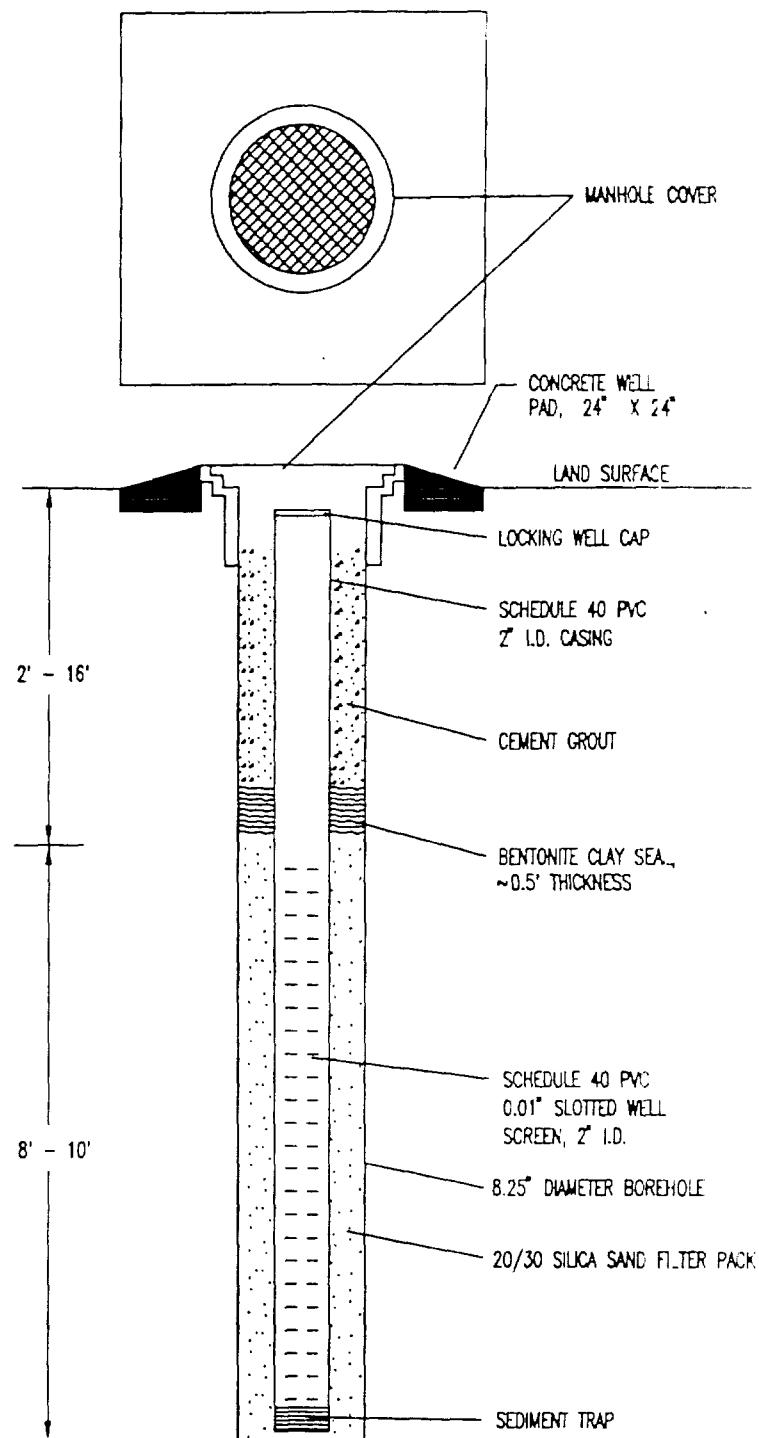
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MARY MCLEOD BETHUNE ELEMENTARY SCHOOL/BROWN'S DUMP  
DUVAL COUNTY SCHOOL BOARD  
4330 PEARCE STREET  
JACKSONVILLE, FLORIDA

MONITORING WELL LOCATIONS

**FIGURE 4**  
PROJECT NO.  
71355.020.010



DRAWING NOT TO SCALE



**EMCON**

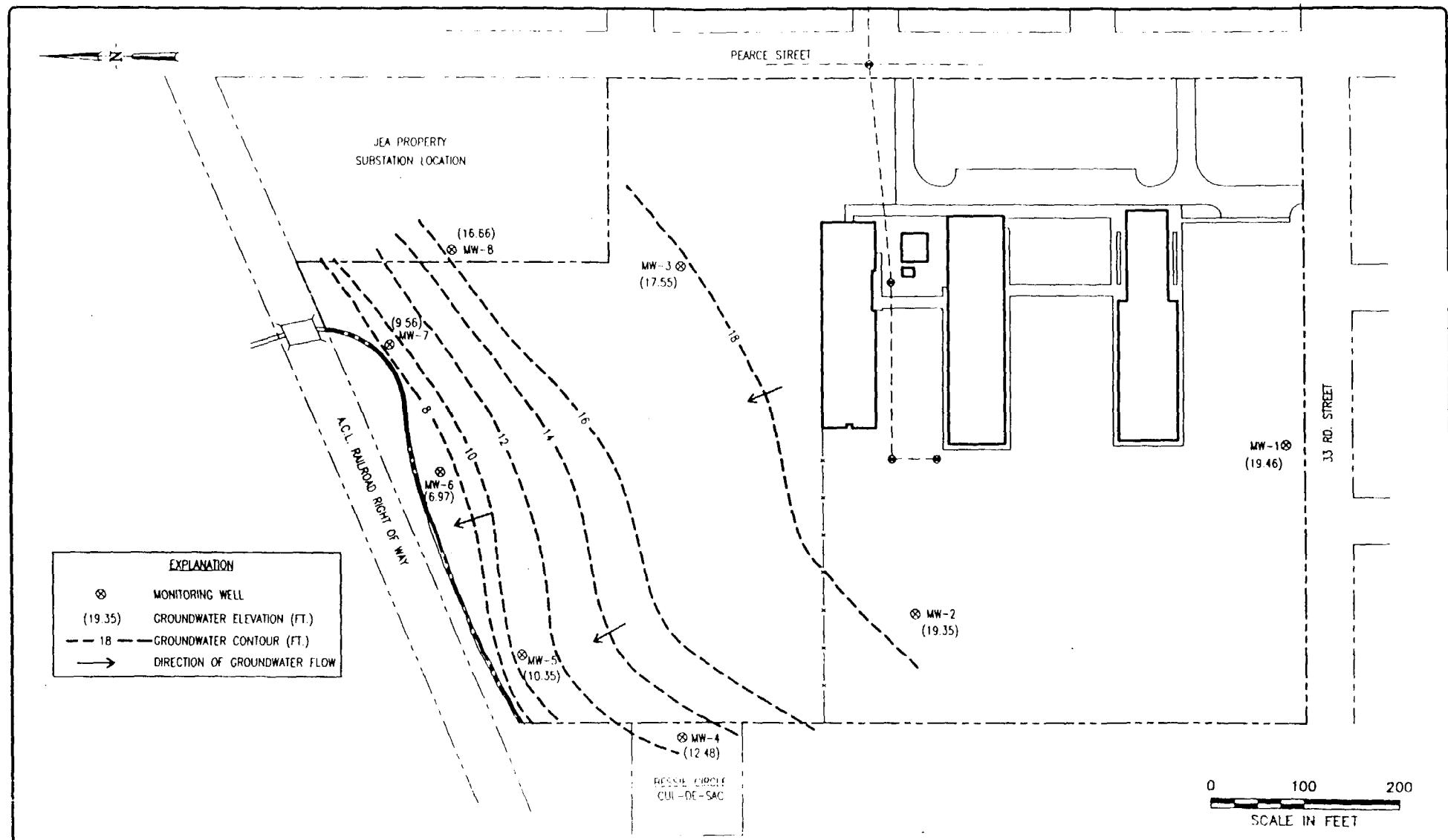
MARY MCLEOD BETHUNE  
ELEMENTARY SCHOOL / BROWN'S DUMP  
4330 PEARCE STREET  
JACKSONVILLE, FLORIDA

SHALLOW MONITORING WELL DIAGRAM

FIGURE

**5**

PROJECT NO.  
71355.020.010



**EMCON**

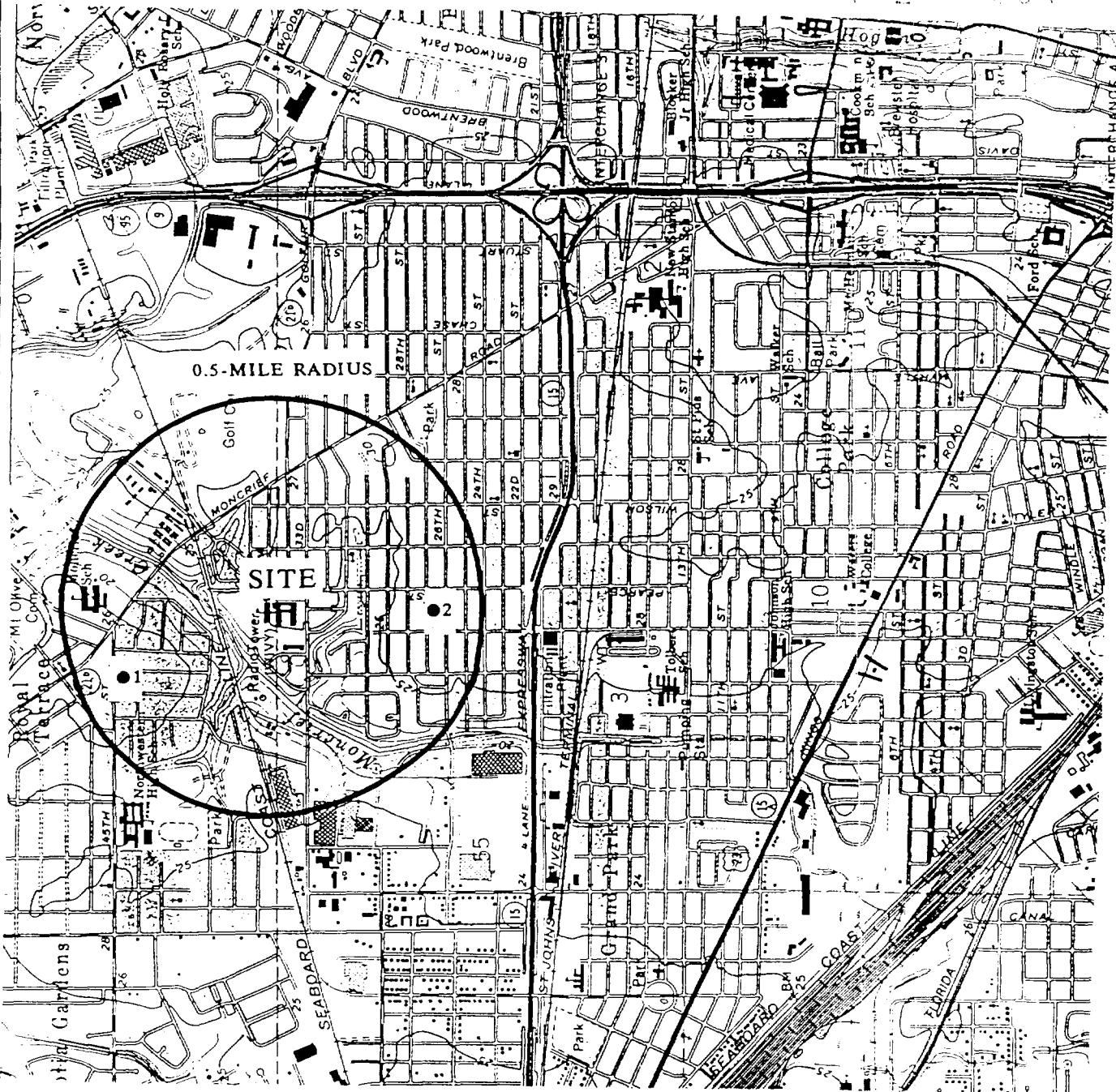
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		DRW BY DES BY CHE BY APP BY				

NAME: N:\DWG\1355\020\010\008SEPT.DWG DATE: OCT 16, 1995 TIME: 8:29 AM

MARY MCLEOD BETHUNE ELEMENTARY SCHOOL/BROWN'S DUMP  
DUVAL COUNTY SCHOOL BOARD  
4330 PEARCE STREET  
JACKSONVILLE, FLORIDA

GROUNDWATER CONTOURS AUGUST 4, 1995

**FIGURE**  
**6**  
PROJECT NO.  
71355.020.010



SCALE  
0 1/2 1 MILE

CONTOUR INTERVAL 5 FEET

BASE MAP FROM USGS 7.5' QUADRANGLE MAP : JACKSONVILLE, FLORIDA, PHOTOREVISED, 1982

FLORIDA

QUADRANGLE LOCATION



**EMCON**

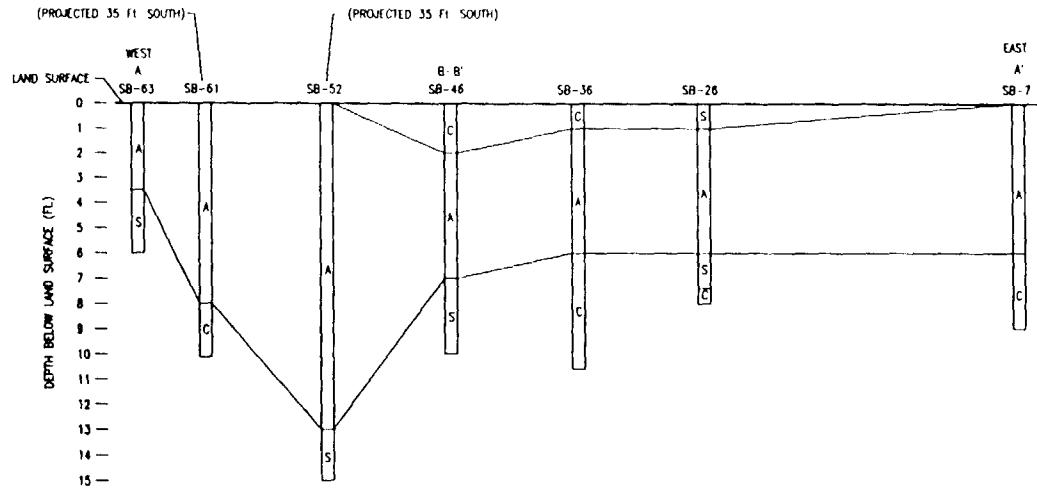
MARY MCLEOD BETHUNE ELEMENTARY  
SCHOOL / BROWN'S DUMP  
4330 PEARCE STREET  
JACKSONVILLE, FLORIDA

WELL INVENTORY

FIGURE

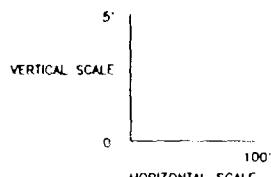
**7**

PROJECT NO.  
71355.020.010



EXPLANATION	
A =	ASH
C =	CLAY
S =	SAND

NOTE : SEE FIGURE 3 FOR  
LOCATION OF CROSS SECTION



EMCON

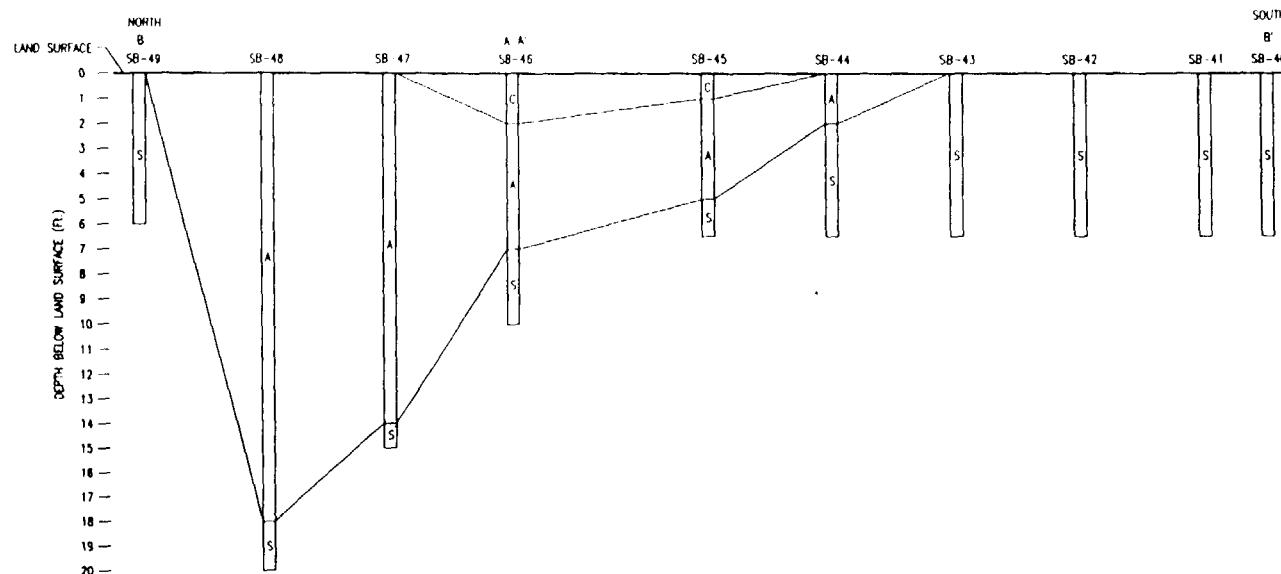
REVISION	DATE	REMARKS	OWNER BY	DESIGN BY	APPROV BY	APPROV BY
DATE OF ISSUE			DEP. MAP BY			

NAME: M\DMC\1355.020\010\008 Dwg. DATE: OCT 16, 1995 TIME: 9:26 AM

MARY MCLEOD BETHUNE ELEMENTARY SCHOOL/BROWN'S DUMP  
DUVAL COUNTY SCHOOL BOARD  
4330 PEARCE STREET  
JACKSONVILLE, FLORIDA

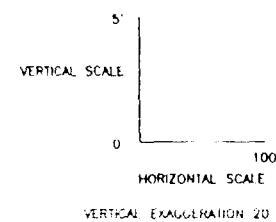
CROSS SECTION A-A'

FIGURE  
8  
PROJECT NO.  
71355.020.010



EXPLANATION	
A =	ASH
C =	CLAY
S =	SAND

NOTE : SEE FIGURE 3 FOR  
LOCATION OF CROSS-SECTION



EMCON

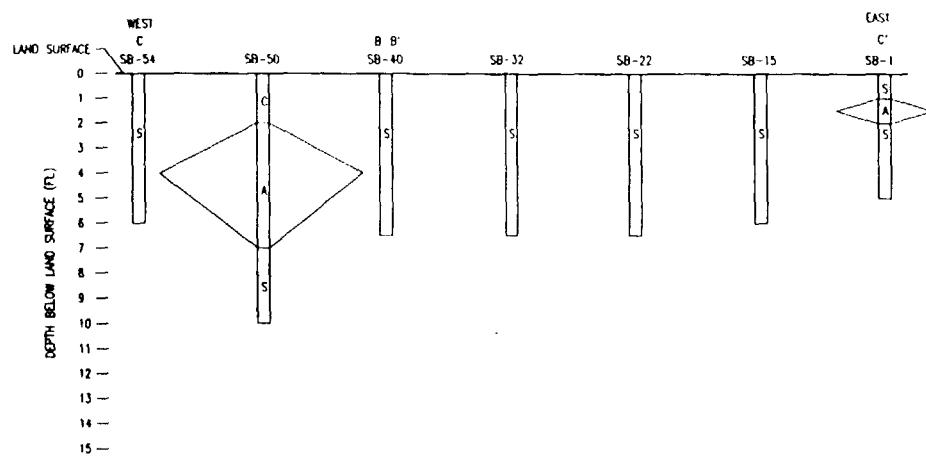
REVISION	DATE	DRAWN BY	DESIGNED BY	APPROVED BY	CHIEF ENGR.	QC ENGR.	CMC ENGR.	WP ENGR.
0	00/00/00							
DATE OF DRAWING								

NAME: N:\DRAWS\1355\020\010\009SEPT.DWG DATE: OCT 18, 1995 TIME: 11:13 AM

MARY MCLEOD BETHUNE ELEMENTARY SCHOOL/BROWN'S DUMP  
DUVAL COUNTY SCHOOL BOARD  
4330 PEARCE STREET  
JACKSONVILLE, FLORIDA

CROSS SECTION B-B'

FIGURE  
9  
PROJECT NO.  
71355.020.010



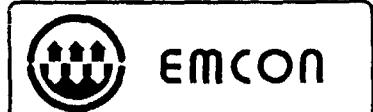
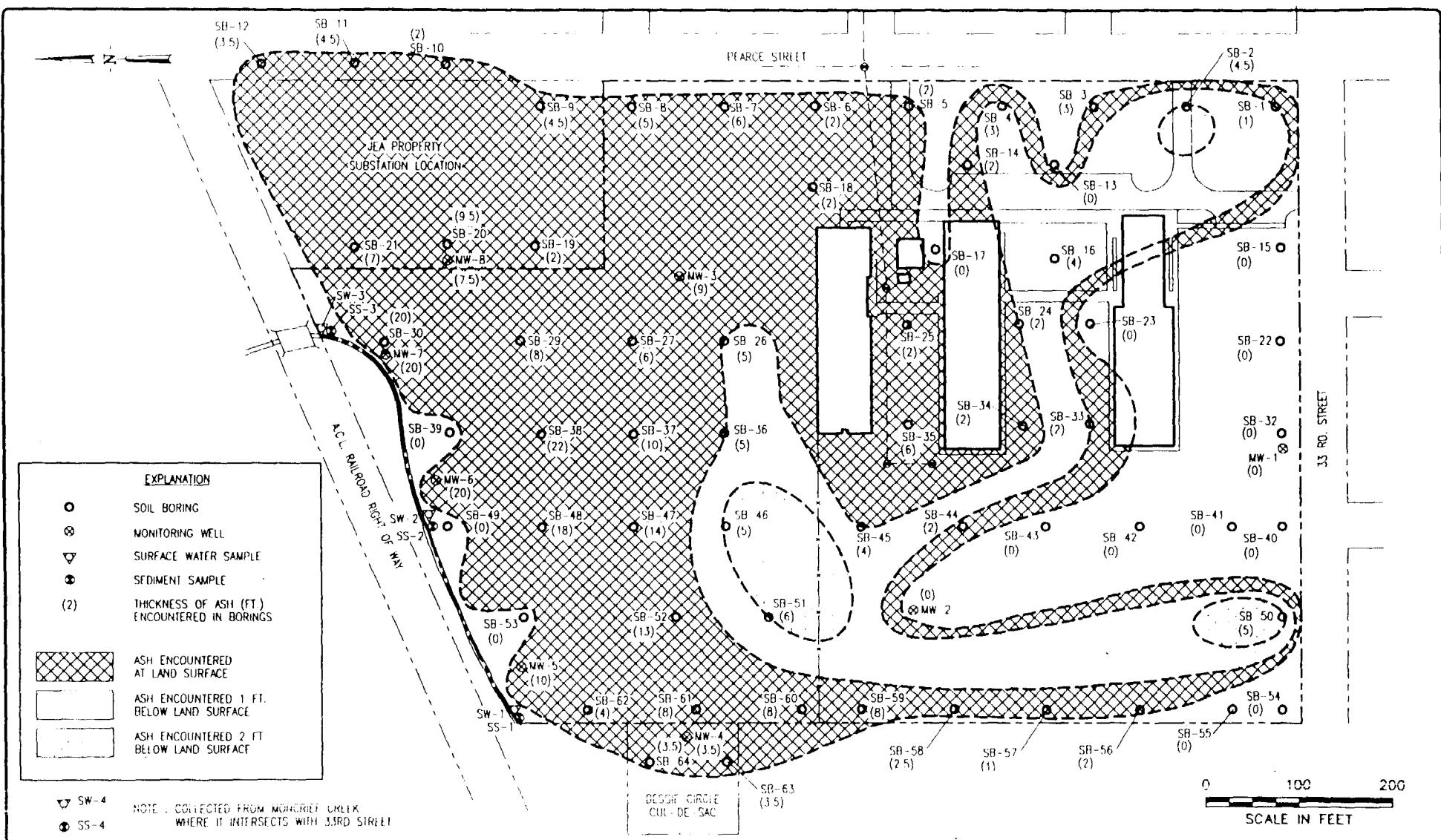
5'  
VERTICAL SCALE  
0  
100'  
HORIZONTAL SCALE  
VERTICAL EXAGGERATION 20:1



REVISION	DATE	DESIGNER	DESCRIPTOR	DRAWN BY	DES. BY	CHEK BY	APPR. BY
			DATE OF DRAWING				

MARY MCLEOD BETHUNE ELEMENTARY SCHOOL/BROWN'S DUMP  
DUVAL COUNTY SCHOOL BOARD  
4330 PEARCE STREET  
JACKSONVILLE, FLORIDA  
CROSS SECTION C-C'

FIGURE  
10  
PROJECT NO.  
71355.020.010



REVISION DATE	10/10/94	DRAWN BY	10/10/94
PRINTED DATE	10/10/94	APPROVED BY	10/10/94
FILED DATE	10/10/94	APPROVED BY	10/10/94

MARY MCLEOD BETHUNE ELEMENTARY SCHOOL/BROWN'S DUMP  
DUVAL COUNTY SCHOOL BOARD  
4330 PEARCE STREET  
JACKSONVILLE, FLORIDA

DEPTH ASH ENCOUNTERED (FEET BELOW LAND SURFACE)

FIGURE  
**11**  
PROJECT NO.  
71355.020.010

**APPENDIX A**  
**LITHOLOGIC LOGS**

## LITHOLOGIC LOG

### BORING DESCRIPTION

**BORING NO.:** SB-1 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/24/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

## School / Brown's Dump Site

4330 Pearce Street

EMCON PROJECT #: 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

**Below Land Surface**

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 5.0 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## **BORING DESCRIPTION**

**BORING NO.:** SB-2 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/24/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

## School / Brown's Dump Site

4330 Pearce Street

EMCON PROJECT #: 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

**Below Land Surface**

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 9.0 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## **BORING DESCRIPTION**

BORING NO.: SB-3 CONTRACTOR: EMCON

**DATE COMPLETED:** 7/24/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

## School / Brown's Dump Site

4330 Pearce Street

**EMCON PROJECT #:** 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

**Below Land Surface**

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 9.0 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## BORING DESCRIPTION

**BORING NO.:** SB-4 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/24/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

## School / Brown's Dump Site

4330 Pearce Street

EMCON PROJECT #: 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

### Below Land Surface

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 9.0 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## BORING DESCRIPTION

BORING NO.: SB-5 CONTRACTOR: EMCON

**DATE COMPLETED:** 7/24/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

## School / Brown's Dump Site

4330 Pearce Street

71355 020 010

ERCON PROJECT #: 71355.020.010

**CLIENT NAME:** Duval County School Board  
**ITEM NUMBER:** School Safety Update

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

**Below Land Surface**

## **BORING CONSTRUCTION DETAILS**

BORING DEPTH: 9.0 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## BORING DESCRIPTION

**BORING NO.:** SB-6      **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/24/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

## School / Brown's Dump Site

4330 Pearce Street

**EMCON PROJECT #:** 71355.020.010

**CLIENT NAME:** Duval County School Board

---

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

**Below Land Surface**

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 9.0 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## BORING DESCRIPTION

BORING NO.: SB-7 CONTRACTOR: EMCON

**DATE COMPLETED:** 7/24/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

School / Brown's Dump Site

4330 Pearce Street

EMCON PROJECT #: 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

Below Land Surface

## **BORING CONSTRUCTION DETAILS**

BORING DEPTH:                  9.0 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## BORING DESCRIPTION

**BORING NO.:** SB-8 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/24/95      **METHOD:** Solid Stem Auger

LOCATION: Mary McLeod Bethune Elementary  
School / Brown's Dump Site  
4330 Pearce Street

**EMCON PROJECT #:** 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

Below Land Surface

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 9.0 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## BORING DESCRIPTION

**BORING NO.:** SB-9 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/26/95      **METHOD:** Solid Stem Auger

LOCATION: Mary McLeod Bethune Elementary  
School / Brown's Dump Site  
4330 Pearce Street

EMCON PROJECT #: 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

Below Land Surface

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 6.5 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## BORING DESCRIPTION

**BORING NO.:** SB-10 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/25/95      **METHOD:** Solid Stem Auger

LOCATION: Mary McLeod Bethune Elementary  
School / Brown's Dump Site  
4330 Pearce Street

EMCON PROJECT #: 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

**Below Land Surface**

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 6.5 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## **BORING DESCRIPTION**

**BORING NO.:** SB-11      **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/25/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

## School / Brown's Dump Site

4330 Pearce Street

EMCON PROJECT #: 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

#### Below Land Surface

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 6.5 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## **BORING DESCRIPTION**

**BORING NO.:** SB-12 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/25/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary  
School / Brown's Dump Site  
4330 Pearce Street

EMCON PROJECT #: 71355.020.010

**CLIENT NAME:** Duval County School Board

---

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

Below Land Surface

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 7.0 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## **BORING DESCRIPTION**

**BORING NO.:** SB-13 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/24/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

## School / Brown's Dump Site

4330 Pearce Street

**EMCON PROJECT #:** 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

**Below Land Surface**

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 9.0 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## BORING DESCRIPTION

**BORING NO.:** SB-14 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/24/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

## School / Brown's Dump Site

4330 Pearce Street

**EMCON PROJECT #:** 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

**Below Land Surface**

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 9.0 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## BORING DESCRIPTION

BORING NO.: SB-15 CONTRACTOR: EMCON

**DATE COMPLETED:** 7/25/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

## School / Brown's Dump Site

4330 Pearce Street

EMCON PROJECT #: 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

**Below Land Surface**

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 6.0 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## **BORING DESCRIPTION**

**BORING NO.:** SB-16 **CONTRACTOR:** EMCN

**DATE COMPLETED:** 7/26/95      **METHOD:** Solid Stem Auger

LOCATION: Mary McLeod Bethune Elementary  
School / Brown's Dump Site  
4330 Pearce Street

**EMCON PROJECT #:** 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

**Below Land Surface**

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 9.5 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## **BORING DESCRIPTION**

**BORING NO.:** SB-17 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/26/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

School / Brown's Dump Site

4330 Pearce Street

EMCON PROJECT #: 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

### Below Land Surface

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 6.5 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## **BORING DESCRIPTION**

**BORING NO.:** SB-18 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/27/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

## School / Brown's Dump Site

4330 Pearce Street

**EMCON PROJECT #:** 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

**Below Land Surface**

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 4 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## **BORING DESCRIPTION**

**BORING NO.:** SB-19 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/25/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

## School / Brown's Dump Site

4330 Pearce Street

71355.020.010

**CLIENT NAME:** Duval County

**CLIENT NAME:** Duval County School Board  
**SELLER:** Shad E. Gunter, Hudnogaal

WELL LOGGER: Chad E. Gunter, Hydrogeologist

### Below Land Surface

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 11.0 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## BORING DESCRIPTION

**BORING NO.:** SB-20 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/25/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

School / Brown's Dump Site

4330 Pearce Street

EMCON PROJECT #: 71355-020-010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

### Below Land Surface

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 9.5 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## BORING DESCRIPTION

**BORING NO.:** SB-21 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/25/95      **METHOD:** Solid Stem Auger

LOCATION: Mary McLeod Bethune Elementary  
School / Brown's Dump Site  
4330 Pearce Street

**EMCON PROJECT #:** 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 10.0 ft  
BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## BORING DESCRIPTION

**BORING NO.:** SB-22 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/25/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

School / Brown's Dump Site

4330 Pearce Street

EMCON PROJECT #: 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

**Below Land Surface**

## **BORING CONSTRUCTION DETAILS**

BORING DEPTH: 6.0 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## BORING DESCRIPTION

**BORING NO.:** SB-23 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/26/95      **METHOD:** Solid Stem Auger

LOCATION: Mary McLeod Bethune Elementary  
School / Brown's Dump Site  
4330 Pearce Street

EMCON PROJECT #: 71355-020-010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

Below Land Surface

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 15.0 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## BORING DESCRIPTION

**BORING NO.:** SB-24      **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/26/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

### School / Brown's Dump Site

4330 Pearce Street

EMCON PROJECT #: 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

**Below Land Surface**

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 6.5 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## **BORING DESCRIPTION**

**BORING NO.:** SB-25      **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/26/95      **METHOD:** Solid Stem Auger

LOCATION: Mary McLeod Bethune Elementary  
School / Brown's Dump Site  
4330 Pearce Street

**EMCON PROJECT #:** 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

**Below Land Surface**

## **BORING CONSTRUCTION DETAILS**

BORING DEPTH: 6.5 ft

BOREHOLE DIAMETER: 4 in.

# LITHOLOGIC LOG

## BORING DESCRIPTION

BORING NO.: SB-26 CONTRACTOR: EMCON

DATE COMPLETED: 7/27/95 METHOD: Solid Stem Auger

LOCATION: Mary McLeod Bethune Elementary  
School / Brown's Dump Site  
4330 Pearce Street

EMCON PROJECT #: 71355.020.010

CLIENT NAME: Duval County School Board

WELL LOGGER: Chad E. Gunter, Hydrogeologist

DEPTH feet bbls*	SEDIMENT TYPE	GRAIN SIZE	COLOR	COMMENTS
0-1.0	sand	fine-medium	gray	
1.0-6.0	ash	conglomerate	dark brown	glass and metal fragments
6.0-7.5	sand	fine-medium	dark gray	
7.5-8.0	clay	fine	orange	

Below Land Surface

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 8.0 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## **BORING DESCRIPTION**

**BORING NO.:** SB-27 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/27/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary  
School / Brown's Dump Site

4330 Pearce Street

**EMCON PROJECT #:** 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

Below Land Surface

## **BORING CONSTRUCTION DETAILS**

BORING DEPTH: 10.5 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## BORING DESCRIPTION

BORING NO.: SB-29 CONTRACTOR: EMCON

**DATE COMPLETED:** 7/27/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

School / Brown's Dump Site

4330 Pearce Street

EMCON PROJECT #: 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

Below Land Surface

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 13.0 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## **BORING DESCRIPTION**

**BORING NO.:** SB-30      **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/27/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

School / Brown's Dump Site

4330 Pearce Street

EMCON PROJECT #: 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

**Below Land Surface**

## BORING CONSTRUCTION DETAILS

BORING DEPTH: (fill in - ) ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## **BORING DESCRIPTION**

**BORING NO.:** SB-32 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/26/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

School / Brown's Dump Site

4330 Pearce Street

EMCON PROJECT #: 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

**Below Land Surface**

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 6.5 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## BORING DESCRIPTION

**BORING NO.:** SB-33 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/26/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary  
School / Brown's Dump Site  
4330 Pearce Street

**EMCON PROJECT #:** 71355-020-010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

**Below Land Surface**

## **BORING CONSTRUCTION DETAILS**

BORING DEPTH: 6.5 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## **BORING DESCRIPTION**

**BORING NO.:** SB-34 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/26/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary School / Brown's Dump Site  
4330 Pearce Street

**EMCON PROJECT #:** 71355-020-010

CLIENT NAME: Duval County School Board

WELL LOGGER: Chad E. Gunter, Hydrogeologist

**Below Land Surface**

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 7.5 ft  
BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## BORING DESCRIPTION

**BORING NO.:** SB-35 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/27/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary  
School / Brown's Dump Site  
4330 Pearce Street

EMCON PROJECT #: 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

**Below Land Surface**

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 7.0 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

### BORING DESCRIPTION

**BORING NO.:** SB-36 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/27/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

## School / Brown's Dump Site

4330 Pearce Street

**EMCON PROJECT #:** 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

**Below Land Surface**

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 10.5 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## **BORING DESCRIPTION**

**BORING NO.:** SB-37 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/27/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

## School / Brown's Dump Site

4330 Pearce Street

EMCON PROJECT #: 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

**Below Land Surface**

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 15.0 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## BORING DESCRIPTION

**BORING NO.:** SB-38 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/27/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

## School / Brown's Dump Site

4330 Pearce Street

EMCON PROJECT #: 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

**Below Land Surface**

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 25.0 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## **BORING DESCRIPTION**

**BORING NO.:** SB-39 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/25/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

## School / Brown's Dump Site

4330 Pearce Street

EMCON PROJECT #: 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

### Below Land Surface

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 6.0 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## **BORING DESCRIPTION**

**BORING NO.:** SB-40 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/25/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

School / Brown's Dump Site

4330 Pearce Street

**EMCON PROJECT #:** 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

**Below Land Surface**

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 6.5 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## BORING DESCRIPTION

**BORING NO.:** SB-41 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/25/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

## School / Brown's Dump Site

4330 Pearce Street

EMCON PROJECT #: 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

Below Land Surface

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 6.5 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## **BORING DESCRIPTION**

**BORING NO.:** SB-42 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/25/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

School / Brown's Dump Site

4330 Pearce Street

EMCON PROJECT #: 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

### Below Land Surface

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 6.5 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## **BORING DESCRIPTION**

**BORING NO.:** SB-43      **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/25/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

School / Brown's Dump Site

4330 Pearce Street

**EMCON PROJECT #:** 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

Below Land Surface

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 6.5 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## **BORING DESCRIPTION**

**BORING NO.:** SB-44 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/25/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

School / Brown's Dump Site

4330 Pearce Street

EMCON PROJECT #: 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

### Below Land Surface

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 6.5 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## BORING DESCRIPTION

**BORING NO.:** SB-45 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/27/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

School / Brown's Dump Site

4330 Pearce Street

EMCON PROJECT #: 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

### Below Land Surface

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 6.5 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## BORING DESCRIPTION

BORING NO.: SB-46 CONTRACTOR: EMCON

**DATE COMPLETED:** 7/27/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

School / Brown's Dump Site

4330 Pearce Street

71355 020 010

EMCON PROJECT #: 71335.020.010  
CLIENT NAME: Duval County

**CLIENT NAME:** Duval County School Board  
**NAME REQUESTED:** School Board Meeting

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

### Below Land Surface

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 10.0 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## BORING DESCRIPTION

**BORING NO.:** SB-47 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/27/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

School / Brown's Dump Site

4330 Pearce Street

71355 020 010

EMCON PROJECT #: 71555.020.010

CLIENT NAME: Duval County School Board  
ATTILA NUMBER: School Board

WELL LOGGER: Chad E. Gunter, Hydrogeologist

**Below Land Surface**

## **BORING CONSTRUCTION DETAILS**

BORING DEPTH: 15.0 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

### BORING DESCRIPTION

**BORING NO.:** SB-48 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/26/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

## School / Brown's Dump Site

4330 Pearce Street

EMCON PROJECT #: 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

**Below Land Surface**

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 20.0 ft

BOREHOLE DIAMETER: 4 in.

## LITHOLOGIC LOG

## BORING DESCRIPTION

**BORING NO.:** SB-49 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/25/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

## School / Brown's Dump Site

4330 Pearce Street

EMCON PROJECT #: 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

**Below Land Surface**

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 6.0 ft

BOREHOLE DIAMETER: 4 in.

# LITHOLOGIC LOG

## BORING DESCRIPTION

BORING NO.: SB-50 CONTRACTOR: EMCON

DATE COMPLETED: 7/27/95 METHOD: Solid Stem Auger

LOCATION: Mary McLeod Bethune Elementary  
School / Brown's Dump Site  
4330 Pearce Street

EMCON PROJECT #: 71355.020.010

CLIENT NAME: Duval County School Board

WELL LOGGER: Chad E. Gunter, Hydrogeologist

DEPTH feet bds*	SEDIMENT TYPE	GRAIN SIZE	COLOR	COMMENTS
0-2.0	clay	fine	gray	
2.0-7.0	ash	conglomerate	dark brown	glass and metal fragments
7.0-10.0	sand	fine-medium	light gray	

Below Land Surface

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 10.0 ft

BOREHOLE DIAMETER: 4 in

# LITHOLOGIC LOG

## BORING DESCRIPTION

BORING NO.: SB-51 CONTRACTOR: EMCON

DATE COMPLETED: 7/26/95 METHOD: Solid Stem Auger

LOCATION: Mary McLeod Bethune Elementary  
School / Brown's Dump Site  
4330 Pearce Street

EMCON PROJECT #: 71355.020.010

CLIENT NAME: Duval County School Board

WELL LOGGER: Chad E. Gunter, Hydrogeologist

DEPTH feet bds*	SEDIMENT TYPE	GRAIN SIZE	COLOR	COMMENTS
0-2.0	sand	fine-medium	gray	
2.0-8.0	ash	conglomerate	dark brown	glass and metal fragments
8.0-10.5	clay	fine	gray	

Below Land Surface

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 10.5 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## **BORING DESCRIPTION**

**BORING NO.:** SB-52 **CONTRACTOR:** EMC CON

**DATE COMPLETED:** 7/26/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

School / Brown's Dump Site

4330 Pearce Street

**EMCON PROJECT #:** 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

### Below Land Surface

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 15.0 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## BORING DESCRIPTION

**BORING NO.:** SB-53 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/25/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

## School / Brown's Dump Site

4330 Pearce Street

71355.020.010

CLIENT NAME: Duval County

BAYLOR COUNTY SCHOOL BOARD  
Chairman: Chad E. Gunter, Hydrogeologist

**WELL LOGGER:** Chad E. Gunter, hydrogeologist

### **Below Land Surface**

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 6.0 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## BORING DESCRIPTION

BORING NO.: SB-54 CONTRACTOR: EMCON

**DATE COMPLETED:** 7/25/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

School / Brown's Dump Site

4330 Pearce Street

**EMCON PROJECT #:** 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

Below Land Surface

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 6.0 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## **BORING DESCRIPTION**

**BORING NO.:** SB-55 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/25/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

## School / Brown's Dump Site

4330 Pearce Street

EMCON PROJECT #: 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

**Below Land Surface**

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 6.0 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## **BORING DESCRIPTION**

**BORING NO.:** SB-56 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/25/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

## School / Brown's Dump Site

4330 Pearce Street

EMCON PROJECT #: 71355.020.010

CLIENT NAME: Duval County School Board

WELL LOGGER: Chad E. Gunter, Hydrogeologist

### Below Land Surface

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 6.0 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## BORING DESCRIPTION

**BORING NO.:** SB-57 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/25/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

## School / Brown's Dump Site

4330 Pearce Street

**EMCON PROJECT #:** 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

**Below Land Surface**

## **BORING CONSTRUCTION DETAILS**

BORING DEPTH: 6.0 ft

BOREHOLE DIAMETER: 4 in.

## LITHOLOGIC LOG

## BORING DESCRIPTION

**BORING NO.:** SB-58 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/25/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

School / Brown's Dump Site

4330 Pearce Street

**EMCON PROJECT #:** 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

**Below Land Surface**

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 6.5 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## BORING DESCRIPTION

**BORING NO.:** SB-59 **CONTRACTOR:** EMCON

DATE COMPLETED: 7/26/95      METHOD: Solid Stem Auger  
LOCATION: Mary McLeod Bethune Elementary  
School / Brown's Dump Site  
4330 Pearce Street  
EMCON PROJECT #: 71355.020.010  
CLIENT NAME: Duval County School Board  
WELL LOGGER: Chad E. Gunter, Hydrogeologist

### Below Land Surface

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 11.0 ft  
BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## **BORING DESCRIPTION**

**BORING NO.:** SB-60 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/26/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary  
School / Brown's Dump Site  
4320 George Street

EMCON PROJECT #: 71355 020 010

**CLIENT NAME:** Duval County School Board

WELL LOGGER: Chad E. Gunter, Hydrogeologist

**Below Land Surface**

## **BORING CONSTRUCTION DETAILS**

BORING DEPTH: 12.0 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## BORING DESCRIPTION

**BORING NO.:** SB-61 **CONTRACTOR:** EMCON

**DATE COMPLETED:** 7/26/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

School / Brown's Dump Site

4330 Pearce Street

EMCON PROJECT #: 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

**Below Land Surface**

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 10.0 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## BORING DESCRIPTION

BORING NO.: SB-62 CONTRACTOR: EMCON

**DATE COMPLETED:** 7/31/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

## School / Brown's Dump Site

4330 Pearce Street

EMCON PROJECT #: 71355.020.010

**CLIENT NAME:** Duval County School Board

**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

### Below Land Surface

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 6.0 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

### BORING DESCRIPTION

BORING NO.: SB-63 CONTRACTOR: EMCON

DATE COMPLETED: 7/31/95 METHOD: Solid Stem Auger

LOCATION: Mary McLeod Bethune Elementary  
School / Brown's Dump Site  
4330 Pearce Street

EMCON PROJECT #: 71355.020.010

CLIENT NAME: Duval County School Board

WELL LOGGER: Chad E. Gunter, Hydrogeologist

DEPTH feet bbls*	SEDIMENT TYPE	GRAIN SIZE	COLOR	COMMENTS
0-3.5	ash	conglomerate	dark brown	glass and metal fragments
3.5-6.0	sand	fine-medium	dark brown	

Below Land Surface

### BORING CONSTRUCTION DETAILS

BORING DEPTH: 6.0 ft

BOREHOLE DIAMETER: 4 in

## LITHOLOGIC LOG

## **BORING DESCRIPTION**

BORING NO. : SB-64 CONTRACTOR : EMCON

**DATE COMPLETED:** 7/31/95      **METHOD:** Solid Stem Auger

**LOCATION:** Mary McLeod Bethune Elementary

## School / Brown's Dump Site

4330 Pearce Street

71355,020,010

CLIENT NAME: Duval County

WELL LOGGER: Benton County School Board  
WELL LOGGER: Chad E. Gunter Hydrogeolo

**WELL LOGGER:** Chad E. Guntier, Hydrogeologist

### Below Land Surface

## BORING CONSTRUCTION DETAILS

BORING DEPTH: 6.0 ft

BOREHOLE DIAMETER: 4 in

# LITHOLOGIC LOG

## WELL DESCRIPTION

WELL NO.: MW-1 CONTRACTOR: EMCON  
 DATE COMPLETED: 8/1/95 METHOD: Hollow-Stem Auger  
 LOCATION: Mary McLeod Bethune Elementary  
School / Brown's Dump Site  
4330 Pearce Street  
 EMCON PROJECT #: 71355.020.010  
 CLIENT NAME: Duval County School Board  
 WELL LOGGER: Chad E. Gunter, Hydrogeologist

DEPTH feet bbls*	SEDIMENT TYPE	GRAIN SIZE	COLOR	COMMENTS
0-4.0	sand	fine-medium	light brown	
4.0-7.0	clay	fine	orange	
7.0-15.0	sand	fine-medium	orange	

Below Land Surface

## WELL CONSTRUCTION DETAILS

WELL DEPTH: 12.5 ft  
 BOREHOLE DIAMETER: 8.25 in

### **CASING:**

TYPE Schedule 40 PVC  
 DIAMETER 2 in  
 LENGTH 2 ft  
 DEPTH 0-2.0 ft

### **ANNULAR SPACE SEAL:**

GROUT:

INTERVAL 0-1.45 ft

### **BENTONITE:**

INTERVAL 1.45-1.75 ft

### **SCREEN:**

TYPE Schedule 40 PVC  
 DIAMETER 2 in  
 SLOT SIZE 0.01 in  
 LENGTH 10.0 ft  
 DEPTH 2.0-12.0 ft

### **SAND PACK:**

GRADE 20/30 sand  
 INTERVAL 1.75 - 12.5 ft

# LITHOLOGIC LOG

## WELL DESCRIPTION

WELL NO.: MW-2 CONTRACTOR: EMCON

DATE COMPLETED: 7/31/95 METHOD: Hollow-Stem Auger

LOCATION: Mary McLeod Bethune Elementary  
School / Brown's Dump Site  
4330 Pearce Street

EMCON PROJECT #: 71355.020.010

CLIENT NAME: Duval County School Board

WELL LOGGER: Chad E. Gunter, Hydrogeologist

DEPTH feet bbls*	SEDIMENT TYPE	GRAIN SIZE	COLOR	COMMENTS
0-2.0	sand	fine-medium	tan	
2.0-3.0	clay	fine	orange	
3.0-15.5	sand	fine-medium	light brown	

Below Land Surface

## WELL CONSTRUCTION DETAILS

WELL DEPTH: 15.5 ft

BOREHOLE DIAMETER: 8.25 in

### CASING:

TYPE Schedule 40 PVC

DIAMETER 2 in

LENGTH 5.0 ft

DEPTH 0-5.0 ft

### ANNULAR SPACE SEAL:

#### GROUT:

INTERVAL 0-3.5 ft

#### BENTONITE:

INTERVAL 3.5-4.0 ft

### SCREEN:

TYPE Schedule 40 PVC

DIAMETER 2 in

SIZE 0.01 in

LENGTH 10 ft

DEPTH 5.0-15.0 ft

### SAND PACK:

GRADE 20/30 sand

INTERVAL 4.0-15.5 ft

# LITHOLOGIC LOG

## WELL DESCRIPTION

WELL NO.: MW-3 CONTRACTOR: EMCON

DATE COMPLETED: 7/27/95 METHOD: Hollow-Stem Auger

LOCATION: Mary McLeod Bethune Elementary  
School / Brown's Dump Site  
4330 Pearce Street

EMCON PROJECT #: 71355.020.010

CLIENT NAME: Duval County School Board

WELL LOGGER: Chad E. Gunter, Hydrogeologist

DEPTH feet bbls*	SEDIMENT TYPE	GRAIN SIZE	COLOR	COMMENTS
0-9.0	ash	conglomerate	dark brown	glass and metal fragments
9.0-12.0	sand	fine-medium	light brown	
12.0-15.0	sand	silt-fine	light brown	

Below Land Surface

## WELL CONSTRUCTION DETAILS

WELL DEPTH: 13.5 ft

BOREHOLE DIAMETER: 8.25 in

### CASING:

TYPE Schedule 40 PVC

DIAMETER 2 in

LENGTH 3.0 ft

DEPTH 0-3.0 ft

### ANNULAR SPACE SEAL:

### GROUT:

INTERVAL 0-2.0 ft

### BENTONITE:

INTERVAL 2.0-2.5 ft

### SCREEN:

TYPE Schedule 40 PVC

DIAMETER 2 in

SLOT SIZE 0.01 in

LENGTH 10 ft

DEPTH 3-13 ft

### SAND PACK:

GRADE 20/30 sand

INTERVAL 2.5-13.5 ft

# LITHOLOGIC LOG

## WELL DESCRIPTION

WELL NO.: MW-4 CONTRACTOR: EMCON

DATE COMPLETED: 7/31/95 METHOD: Hollow-Stem Auger

LOCATION: Mary McLeod Bethune Elementary  
School / Brown's Dump Site  
4330 Pearce Street

EMCON PROJECT #: 71355.020.010

CLIENT NAME: Duval County School Board

WELL LOGGER: Chad E. Gunter, Hydrogeologist

DEPTH feet bbls*	SEDIMENT TYPE	GRAIN SIZE	COLOR	COMMENTS
0-3.5	ash	conglomerate	dark brown	glass and metal fragments
3.5-6.0	sand	fine-medium	dark brown	
6.0-10.5	sand	fine-medium	light brown	

Below Land Surface

## WELL CONSTRUCTION DETAILS

WELL DEPTH: 10.5 ft

BOREHOLE DIAMETER: 8.25 in

### CASING:

TYPE Schedule 40 PVC

DIAMETER 2 in

LENGTH 2 ft

DEPTH 0-2.0 ft

### ANNULAR SPACE SEAL:

### GROUT:

INTERVAL 0-1.45 ft

### BENTONITE:

INTERVAL 1.45-1.75 ft

### SCREEN:

TYPE Schedule 40 PVC

DIAMETER 2 in

SLOT SIZE 0.01 in

LENGTH 8 ft

DEPTH 2.0-10.0 ft

### SAND PACK:

GRADE 20/30 sand

INTERVAL 1.75-10.5 ft

# LITHOLOGIC LOG

## WELL DESCRIPTION

WELL NO.: MW-5 CONTRACTOR: EMCON

DATE COMPLETED: 7/31/95 METHOD: Hollow-Stem Auger

LOCATION: Mary McLeod Bethune Elementary  
School / Brown's Dump Site  
4330 Pearce Street

EMCON PROJECT #: 71355.020.010

CLIENT NAME: Duval County School Board

WELL LOGGER: Chad E. Gunter, Hydrogeologist

DEPTH feet bbls*	SEDIMENT TYPE	GRAIN SIZE	COLOR	COMMENTS
0-10.0	ash	conglomerate	dark brown	glass and metal fragments
10.0-14.0	sand	fine-medium	orangish-brown	

Below Land Surface

## WELL CONSTRUCTION DETAILS

WELL DEPTH: 13.5 ft

BOREHOLE DIAMETER: 8.25 in

### CASING:

TYPE Schedule 40 PVC

DIAMETER 2 in

LENGTH 3 ft

DEPTH 0-3.0 ft

### ANNULAR SPACE SEAL:

#### GROUT:

INTERVAL 0-2.0 ft

#### BENTONITE:

INTERVAL 2.0-2.5 ft

### SCREEN:

TYPE Schedule 40 PVC

DIAMETER 2 in

SLOT SIZE 0.01 in

LENGTH 10 ft

DEPTH 3.0-13.0 ft

### SAND PACK:

GRADE 20/30 sand

INTERVAL 2.5-13.5 ft

# LITHOLOGIC LOG

## WELL DESCRIPTION

WELL NO.: MW-6 CONTRACTOR: EMCON

DATE COMPLETED: 7/31/95 METHOD: Hollow-Stem Auger

LOCATION: Mary McLeod Bethune Elementary  
School / Brown's Dump Site  
4330 Pearce Street

EMCON PROJECT #: 71355.020.010

CLIENT NAME: Duval County School Board

WELL LOGGER: Chad E. Gunter, Hydrogeologist

DEPTH feet bsl*	SEDIMENT TYPE	GRAIN SIZE	COLOR	COMMENTS
0-20.0	ash	conglomerate	dark brown	glass and metal fragments
20.0-26.5	sand	fine-medium	light brown	

Below Land Surface

## WELL CONSTRUCTION DETAILS

WELL DEPTH: 26.5 ft

BOREHOLE DIAMETER: 8.25 in

### **CASING:**

TYPE Schedule 40 PVC

DIAMETER 2 in

LENGTH 16.0 ft

DEPTH 0-16.0 ft

### **ANNULAR SPACE SEAL:**

### **GROUT:**

INTERVAL 0-14.5 ft

### **BENTONITE:**

INTERVAL 14.5-15.0 ft

### **SCREEN:**

TYPE Schedule 40 PVC

DIAMETER 2 in

SLOT SIZE 0.01 in

LENGTH 10.0 ft

DEPTH 16.0-26.0 ft

### **SAND PACK:**

GRADE 20/30 sand

INTERVAL 15.0-26.5 ft

# LITHOLOGIC LOG

## WELL DESCRIPTION

**WELL NO.:** MW-7      **CONTRACTOR:** EMCON  
**DATE COMPLETED:** 7/31/95      **METHOD:** Hollow-Stem Auger  
**LOCATION:** Mary McLeod Bethune Elementary  
 School / Brown's Dump Site  
 4330 Pearce Street  
**EMCON PROJECT #:** 71355.020.010  
**CLIENT NAME:** Duval County School Board  
**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

DEPTH feet bbls*	SEDIMENT TYPE	GRAIN SIZE	COLOR	COMMENTS
0-20.0	ash	conglomerate	dark	glass and metal fragments
20.0-23.5	sand	fine-medium	tan	

Below Land Surface

## WELL CONSTRUCTION DETAILS

**WELL DEPTH:** 23.5 ft  
**BOREHOLE DIAMETER:** 8.25 in

### CASING:

**TYPE** Schedule 40 PVC  
**DIAMETER** 2 in  
**LENGTH** 13 ft  
**DEPTH** 0-13.0 ft

### ANNULAR SPACE SEAL:

**GROUT:**  
**INTERVAL** 0-11.5 ft  
**BENTONITE:**  
**INTERVAL** 11.5-12.0

### SCREEN:

**TYPE** Schedule 40 PVC  
**DIAMETER** 2 in  
**SLOT SIZE** 0.01 in  
**LENGTH** 10 ft  
**DEPTH** 13.0-23.0 ft

### SAND PACK:

**GRADE** 20/30 sand  
**INTERVAL** 12.0-23.5 ft

# LITHOLOGIC LOG

## WELL DESCRIPTION

**WELL NO.:** MW-8      **CONTRACTOR:** EMCON  
**DATE COMPLETED:** 8/1/95      **METHOD:** Hollow-Stem Auger  
**LOCATION:** Mary McLeod Bethune Elementary  
 School / Brown's Dump Site  
 4330 Pearce Street  
**EMCON PROJECT #:** 71355.020.010  
**CLIENT NAME:** Duval County School Board  
**WELL LOGGER:** Chad E. Gunter, Hydrogeologist

DEPTH feet bbls*	SEDIMENT TYPE	GRAIN SIZE	COLOR	COMMENTS
0-7.5	ash	conglomerate	dark brown	glass and metal fragments
7.5-10.5	sand	fine-medium	dark brown	

Below Land Surface

## WELL CONSTRUCTION DETAILS

**WELL DEPTH:** 10.5 ft  
**BOREHOLE DIAMETER:** 8.25 in

**CASING:**

**TYPE** Schedule 40 PVC  
**DIAMETER** 2 in  
**LENGTH** 2 ft  
**DEPTH** 0-2.0 ft

**ANNULAR SPACE SEAL:**

**GROUT:**  
**INTERVAL** 0-1.45 ft  
**BENTONITE:**  
**INTERVAL** 1.45-1.75 ft

**SCREEN:**

**TYPE** Schedule 40 PVC  
**DIAMETER** 2 in  
**SLOT SIZE** 0.01 in  
**LENGTH** 8 ft  
**DEPTH** 2.0-10.0 ft

**SAND PACK:**

**GRADE** 20/30 sand  
**INTERVAL** 1.75-10.5 ft



PROJECT NO: 952-2815

REPORT NO: 1

LAB NO: 0

DATE: 08/08/95

5109 STEPP AVENUE  
JACKSONVILLE, FL 32216-6053  
(904)733-0960 OFFICE  
(904)448-5534 FAX NUMBER

REPORT OF: GRADATION AND PERCENT FINES CONTENT TEST

PROJECT: Duval County School Board Dump  
Site, Project #71355.020.010

CONTRACTOR: EMCON

REPORTED TO: EMCON  
8021 Phillips Highway, Suite 12  
Jacksonville, FL 32256-7460

DATE SAMPLED: 07/25/95

Attached is the results of the tests performed in our laboratory.

LED BY: Client

INSPECTED BY: V. Winn

Respectfully submitted,  
ELLIS & ASSOCIATES, INC.

A handwritten signature in black ink, appearing to read 'John E. Ellis, II, P.E.'

DISTRIBUTION: JEE/dfh  
2cc:Client

**APPENDIX B**

**SOIL ANALYTICAL RESULTS**

DHRS # 82315

Southeastern Environmental  
Laboratories, Inc.  
80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

DHRS E-82179

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
5 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ITN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER:  
SUBMISSION NUMBER: 9507000298  
REPORTED DATE: 08/16/95  
INVOICE NUMBER: 5791

PROJECT NAME: MARY MCLEOD BETHUNE ELEM

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	INITIAL	TIME	DATE
Arsenic	44872	U 1.0	MG/KG	6010	LC	1700	08/09/95
Barium	44872	U 1.0	MG/KG	6010	LC	1430	08/14/95
Cadmium	44872	U 1.0	MG/KG	6010	LC	1700	08/09/95
Selenium	44872	U 1.0	MG/KG	6010	LC	1700	08/09/95
Chromium	44872	U 1.0	MG/KG	7190	TS	0900	08/10/95
Lead	44872	U 1.0	MG/KG	7420	TS	1500	08/09/95
Mercury	44872	U 0.5	MG/KG	7471	LP	1430	08/04/95
Silver	44872	U 1.0	MG/KG	7760	TS	1130	08/09/95

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	INITIAL	TIME	DATE
Arsenic	44873	U 1.0	MG/KG	6010	LC	1700	08/09/95
Barium	44873	U 1.0	MG/KG	6010	LC	1430	08/14/95
Cadmium	44873	U 1.0	MG/KG	6010	LC	1700	08/09/95
Selenium	44873	U 1.0	MG/KG	6010	LC	1700	08/09/95
Chromium	44873	U 1.0	MG/KG	7190	TS	0900	08/10/95
Lead	44873	U 1.0	MG/KG	7420	TS	1500	08/09/95
Mercury	44873	U 0.5	MG/KG	7471	LP	1430	08/04/95
Silver	44873	U 1.0	MG/KG	7760	TS	1130	08/09/95

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DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
5 NORTH LAURA ST. 6TH FLOOR  
CKSONVILLE, FL 32202-3156  
TTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: PROJECT NAME: MARY MCLEOD BETHUNE ELEM  
SUBMISSION NUMBER: 9507000298  
REPORTED DATE: 08/16/95  
INVOICE NUMBER: 5791

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
arsenic	44874	U 1.0	MG/KG	6010	LC	1700	08/09/95
Barium	44874	U 1.0	MG/KG	6010	LC	1430	08/14/95
Cadmium	44874	U 1.0	MG/KG	6010	LC	1700	08/09/95
Selenium	44874	U 1.0	MG/KG	6010	LC	1700	08/09/95
Chromium	44874	U 1.0	MG/KG	7190	TS	0900	08/10/95
Lead	44874	U 1.0	MG/KG	7420	TS	1500	08/09/95
Mercury	44874	U 0.5	MG/KG	7471	LP	1430	08/04/95
Silver	44874	U 1.0	MG/KG	7760	TS	1130	08/09/95

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Arsenic	44865	K 5.0	MG/KG	6010	LC	1230	08/10/95
Barium	44865	388	MG/KG	6010	LC	1400	08/14/95
lumium	44865	7.60	MG/KG	6010	LC	1530	08/09/95
Selenium	44865	K 20.0	MG/KG	6010	LC	1100	08/11/95
Chromium	44865	19.7	MG/KG	7190	TS	0900	08/10/95
Lead	44865	1780	MG/KG	7420	TS	1500	08/09/95
Mercury	44865	0.525	MG/KG	7471	LP	1400	08/10/95
Silver	44865	3.43	MG/KG	7760	TS	1130	08/09/95

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CQAP #880633G

PARTMENT OF PUBLIC UTILITIES  
 SOLID WASTE DIVISION  
 15 NORTH LAURA ST. 6TH FLOOR  
 JACKSONVILLE, FL 32202-3156  
 TTN: LARY PERKINS

SAMPLED BY: CLIENT  
 CLIENT JOB/PO NUMBER: PROJECT NAME: MARY MCLEOD BETHUNE ELEM  
 SUBMISSION NUMBER: 9507000298  
 REPORTED DATE: 08/16/95  
 INVOICE NUMBER: 5791

DESCRIPTION					SAMPLE ID		
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Arsenic	44850	U 1.0	MG/KG	6010	LC	1400	08/09/95
Barium	44850	2.8	MG/KG	6010	LC	1300	08/14/95
Cadmium	44850	U 1.0	MG/KG	6010	LC	1400	08/09/95
Selenium	44850	U 1.0	MG/KG	6010	LC	1400	08/09/95
Chromium	44850	U 1.0	MG/KG	7190	TS	0900	08/10/95
Lead	44850	4.18	MG/KG	7420	TS	1330	08/09/95
Mercury	44850	U 0.5	MG/KG	7471	LP	1430	08/04/95
Silver	44850	U 1.0	MG/KG	7760	TS	1130	08/09/95

DESCRIPTION					SAMPLE ID		
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Arsenic	44855	K 5.0	MG/KG	6010	LC	1200	08/10/95
Barium	44855	89.6	MG/KG	6010	LC	1300	08/14/95
Cadmium	44855	1.24	MG/KG	6010	LC	1400	08/09/95
Selenium	44855	K 5.0	MG/KG	6010	LC	1700	08/10/95
Chromium	44855	6.52	MG/KG	7190	TS	0900	08/10/95
Lead	44855	228	MG/KG	7420	TS	1500	08/09/95
Mercury	44855	U 0.5	MG/KG	7471	LP	1430	08/04/95
Silver	44855	U 1.0	MG/KG	7760	TS	1130	08/09/95

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15 NORTH LAURA ST. 6TH FLOOR  
 JACKSONVILLE, FL 32202-3156  
TTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER:  
SUBMISSION NUMBER: 9507000298  
REPORTED DATE: 08/16/95  
INVOICE NUMBER: 5791

PROJECT NAME: MARY MCLEOD BETHUNE ELEM

DESCRIPTION

SAMPLE ID

SB-16B

SAMPLE DATE: 07/26/95

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Arsenic	44848	K 5.0 MG/KG	6010	LC		1130	08/10/95
Barium	44848	15.3 MG/KG	6010	LC		1200	08/14/95
Cadmium	44848	U 1.0 MG/KG	6010	LC		1200	08/09/95
Selenium	44848	K 5.0 MG/KG	6010	LC		1700	08/10/95
Chromium	44848	3.06 MG/KG	7190	TS		0900	08/10/95
Lead	44848	5.43 MG/KG	7420	TS		1330	08/09/95
Mercury	44848	U 0.5 MG/KG	7471	LP		1430	08/04/95
Silver	44848	U 1.0 MG/KG	7760	TS		1130	08/09/95

DESCRIPTION

SAMPLE ID

SB-16W

SAMPLE DATE: 07/26/95

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Arsenic	44860	K 5.0 MG/KG	6010	LC		1300	08/10/9
Barium	44860	484 MG/KG	6010	LC		1300	08/14/9
Cadmium	44860	8.52 MG/KG	6010	LC		1500	08/09/9
Selenium	44860	K 5.0 MG/KG	6010	LC		1730	08/10/9
Chromium	44860	16.2 MG/KG	7190	TS		0900	08/10/9
Lead	44860	1490 MG/KG	7420	TS		1500	08/09/9
Mercury	44860	U 0.5 MG/KG	7471	LP		1430	08/04/9
Silver	44860	3.25 MG/KG	7760	TS		1130	08/09/9

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SOLID WASTE DIVISION  
15 NORTH LAURA ST. 6TH FLOOR  
ACKSONVILLE, FL 32202-3156  
TTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: PROJECT NAME: MARY MCLEOD BETHUNE ELEM  
SUBMISSION NUMBER: 9507000298  
REPORTED DATE: 08/16/95  
INVOICE NUMBER: 5791

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	INITIAL	TIME	DATE
Arsenic	44831	U 1.0	MG/KG	6010	LC	1100	08/09/95
Barium	44831	1.66	MG/KG	6010	LC	1500	08/14/95
Cadmium	44831	U 1.0	MG/KG	6010	LC	1100	08/09/95
Selenium	44831	U 1.0	MG/KG	6010	LC	1100	08/09/95
Chromium	44831	1.32	MG/KG	7190	TS	0900	08/10/95
Lead	44831	1.47	MG/KG	7420	TS	1330	08/09/95
Mercury	44831	U 0.5	MG/KG	7471	LP	1430	08/04/95
Silver	44831	U 1.0	MG/KG	7760	TS	1130	08/09/95

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	INITIAL	TIME	DATE
Arsenic	44870	K 5.0	MG/KG	6010	LC	1200	08/10/9
Barium	44870	10.5	MG/KG	6010	LC	1630	08/14/9
Cadmium	44870	U 1.0	MG/KG	6010	LC	1700	08/09/9
Selenium	44870	U 1.0	MG/KG	6010	LC	1700	08/09/9
Chromium	44870	2.44	MG/KG	7190	TS	0900	08/10/9
Lead	44870	18.9	MG/KG	7420	TS	1500	08/09/9
Mercury	44870	U 0.5	MG/KG	7471	LP	1430	08/04/9
Silver	44870	U 1.0	MG/KG	7760	TS	1130	08/09/9

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SOLID WASTE DIVISION  
5 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER:  
SUBMISSION NUMBER: 9507000298  
REPORTED DATE: 08/16/95  
INVOICE NUMBER: 5791

PROJECT NAME: MARY MCLEOD BETHUNE ELEM

DESCRIPTION

SAMPLE ID

SB-20W

SAMPLE DATE: 07/25/95

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Arsenic	44864	K 5.0	MG/KG	6010	LC	1300	08/10/95
Barium	44864	1020	MG/KG	6010	LC	1530	08/14/95
Cadmium	44864	8.84	MG/KG	6010	LC	1530	08/09/95
Selenium	44864	K 20.0	MG/KG	6010	LC	1100	08/11/95
Chromium	44864	37.9	MG/KG	7190	TS	0900	08/10/95
Lead	44864	3970	MG/KG	7420	TS	1500	08/09/95
Mercury	44864	U 0.5	MG/KG	7471	LP	1430	08/04/95
Silver	44864	137	MG/KG	7760	TS	1130	08/09/95

DESCRIPTION

SAMPLE ID

SB-22A

SAMPLE DATE: 07/25/95

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Arsenic	44830	U 1.0	MG/KG	6010	LC	1100	08/09/95
Barium	44830	9.8	MG/KG	6010	LC	1200	08/14/95
Cadmium	44830	U 1.0	MG/KG	6010	LC	1100	08/09/95
Selenium	44830	U 1.0	MG/KG	6010	LC	1100	08/09/95
Chromium	44830	1.44	MG/KG	7190	TS	0900	08/10/95
Lead	44830	5.00	MG/KG	7420	TS	1330	08/09/95
Mercury	44830	U 0.5	MG/KG	7471	LP	1430	08/04/95
Silver	44830	U 1.0	MG/KG	7760	TS	1130	08/09/95

DHRS # 82315

DHRS E-82179

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DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
5 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
TTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: 9507000298  
SUBMISSION NUMBER: 9507000298  
REPORTED DATE: 08/16/95  
INVOICE NUMBER: 5791

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	INITIAL	TIME	DATE
Arsenic	44853	K 5.0	MG/KG	6010	LC	1130	08/10/95
Barium	44853	58.5	MG/KG	6010	LC	1300	08/14/95
Cadmium	44853	U 1.0	MG/KG	6010	LC	1400	08/09/95
Selenium	44853	K 5.0	MG/KG	6010	LC	1700	08/10/95
Chromium	44853	3.32	MG/KG	7190	TS	0900	08/10/95
Lead	44853	118	MG/KG	7420	TS	1330	08/09/95
Mercury	44853	U 0.5	MG/KG	7471	LP	1430	08/04/95
Silver	44853	U 1.0	MG/KG	7760	TS	1130	08/09/95

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	INITIAL	TIME	DATE
Arsenic	44844	K 5.0	MG/KG	6010	LC	1200	08/10/95
Barium	44844	252	MG/KG	6010	LC	1400	08/11/95
Cadmium	44844	2.88	MG/KG	6010	LC	1100	08/09/95
Selenium	44844	K 5.0	MG/KG	6010	LC	1630	08/10/95
Chromium	44844	6.92	MG/KG	7190	TS	0900	08/10/95
Lead	44844	209	MG/KG	7420	TS	1330	08/09/95
Mercury	44844	U 0.5	MG/KG	7471	LP	1430	08/04/95
Silver	44844	U 1.0	MG/KG	7760	TS	1130	08/09/95

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 SOLID WASTE DIVISION  
 5 NORTH LAURA ST. 6TH FLOOR  
 JACKSONVILLE, FL 32202-3156  
 RTN: LARY PERKINS

SAMPLED BY: CLIENT  
 CLIENT JOB/PO NUMBER: PROJECT NAME: MARY MCLEOD BETHUNE ELEMENT  
 SUBMISSION NUMBER: 9507000298  
 REPORTED DATE: 08/16/95  
 INVOICE NUMBER: 5791

DESCRIPTION				SAMPLE ID			
B-30B							
SAMPLE DATE: 07/27/95							
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Arsenic	44869	U 1.0	MG/KG	6010	LC	1530	08/09/95
Barium	44869	6.82	MG/KG	6010	LC	1630	08/14/95
Lead	44869	U 1.0	MG/KG	6010	LC	1530	08/09/95
Selenium	44869	U 1.0	MG/KG	6010	LC	1530	08/09/95
Chromium	44869	1.52	MG/KG	7190	TS	0900	08/10/95
Lead	44869	7.41	MG/KG	7420	TS	1500	08/09/95
Mercury	44869	U 0.5	MG/KG	7471	LP	1430	08/04/95
Silver	44869	U 1.0	MG/KG	7760	TS	1130	08/09/95

DESCRIPTION				SAMPLE ID			
SB-30W							
SAMPLE DATE: 07/27/95							
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Arsenic	44832	K 5.0	MG/KG	6010	LC	1200	08/10/95
Barium	44832	552	MG/KG	6010	LC	1400	08/11/95
Lead	44832	9.72	MG/KG	6010	LC	1100	08/09/95
Selenium	44832	K 10.0	MG/KG	6010	LC	1100	08/11/95
Chromium	44832	17.6	MG/KG	7190	TS	0900	08/10/95
Lead	44832	1490	MG/KG	7420	TS	1330	08/09/95
Mercury	44832	1.05	MG/KG	7471	LP	1400	08/10/95
Silver	44832	1.45	MG/KG	7760	TS	1130	08/09/95

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JACKSONVILLE, FL 32202-3156  
TTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: PROJECT NAME: MARY MCLEOD BETHUNE ELEM  
SUBMISSION NUMBER: 9507000298  
REPORTED DATE: 08/16/95  
INVOICE NUMBER: 5791

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	INITIAL	TIME	DATE
Arsenic	44856	U 1.0	MG/KG	6010	LC	1200	08/09/95
Barium	44856	21.8	MG/KG	6010	LC	1300	08/14/95
Cadmium	44856	U 1.0	MG/KG	6010	LC	1400	08/09/95
Selenium	44856	U 1.0	MG/KG	6010	LC	1400	08/09/95
Chromium	44856	2.58	MG/KG	7190	TS	0900	08/10/95
Lead	44856	49.3	MG/KG	7420	TS	1500	08/09/95
Mercury	44856	U 0.5	MG/KG	7471	LP	1430	08/04/95
Silver	44856	U 1.0	MG/KG	7760	TS	1130	08/09/95

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	INITIAL	TIME	DATE
Arsenic	44861	K 5.0	MG/KG	6010	LC	1200	08/10/95
Barium	44861	356	MG/KG	6010	LC	1300	08/14/95
Cadmium	44861	4.12	MG/KG	6010	LC	1500	08/09/95
Selenium	44861	K 5.0	MG/KG	6010	LC	1730	08/10/95
Chromium	44861	9.28	MG/KG	7190	TS	0900	08/10/95
Lead	44861	1190	MG/KG	7420	TS	1500	08/09/95
Mercury	44861	1.32	MG/KG	7471	LP	1400	08/10/95
Silver	44861	1.36	MG/KG	7760	TS	1130	08/09/95

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BTM: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: PROJECT NAME: MARY MCLEOD BETHUNE ELEM  
SUBMISSION NUMBER: 9507000298  
REPORTED DATE: 08/16/95  
INVOICE NUMBER: 5791

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Arsenic	44847	U 1.0	MG/KG	6010	LC	1200	08/09/95
Barium	44847	17.8	MG/KG	6010	LC	1200	08/14/95
Cadmium	44847	U 1.0	MG/KG	6010	LC	1200	08/09/95
Selenium	44847	U 1.0	MG/KG	6010	LC	1200	08/09/95
Chromium	44847	2.08	MG/KG	7190	TS	0900	08/10/95
Lead	44847	14.0	MG/KG	7420	TS	1330	08/09/95
Mercury	44847	U 0.5	MG/KG	7471	LP	1430	08/04/95
Silver	44847	U 1.0	MG/KG	7760	TS	1130	08/09/95

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Arsenic	44839	K 5.0	MG/KG	6010	LC	1200	08/10/95
Barium	44839	127	MG/KG	6010	LC	1500	08/14/95
Cadmium	44839	3.8	MG/KG	6010	LC	1100	08/09/95
Selenium	44839	K 5.0	MG/KG	6010	LC	1630	08/10/95
Chromium	44839	9.84	MG/KG	7190	TS	0900	08/10/95
Lead	44839	311	MG/KG	7420	TS	1330	08/09/95
Mercury	44839	U 0.5	MG/KG	7471	LP	1430	08/04/95
Silver	44839	1.07	MG/KG	7760	TS	1130	08/09/95

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 JACKSONVILLE, FL 32202-3156  
 ITIN: LARY PERKINS

SAMPLED BY: CLIENT  
 CLIENT JOB/PO NUMBER: PROJECT NAME: MARY MCLEOD BETHUNE ELEM  
 SUBMISSION NUMBER: 9507000298  
 REPORTED DATE: 08/16/95  
 INVOICE NUMBER: 5791

DESCRIPTION				SAMPLE ID			
=====				=====			
SB-35W							
=====				=====			
SAMPLE DATE: 07/27/95							
PARAMETER	ORDER NUMBER	RESULT	UNITS	ANALYST			
				INITIAL	TIME	DATE	
Arsenic	44867	K 5.0 MG/KG	6010	LC	1300	08/10/95	
Barium	44867	380 MG/KG	6010	LC	1400	08/14/95	
Cadmium	44867	5.08 MG/KG	6010	LC	1500	08/09/95	
Selenium	44867	K 10.0 MG/KG	6010	LC	1100	08/11/95	
Chromium	44867	21.0 MG/KG	7190	LC	0900	08/10/95	
Lead	44867	753 MG/KG	7420	TS	1500	08/09/95	
Mercury	44867	U 0.5 MG/KG	7471	LP	1430	08/04/95	
Silver	44867	1.13 MG/KG	7760	TS	1130	08/09/95	

DESCRIPTION				SAMPLE ID			
=====				=====			
SB-37W							
=====				=====			
SAMPLE DATE: 07/27/95							
PARAMETER	ORDER NUMBER	RESULT	UNITS	ANALYST			
				INITIAL	TIME	DATE	
Arsenic	44836	K 5.0 MG/KG	6010	LC	1200	08/10/95	
Barium	44836	1700 MG/KG	6010	LC	1200	08/14/95	
Cadmium	44836	11.5 MG/KG	6010	LC	1100	08/09/95	
Selenium	44836	K 10.0 MG/KG	6010	LC	1100	08/11/95	
Chromium	44836	38.1 MG/KG	7190	TS	0900	08/10/95	
Lead	44836	1530 MG/KG	7420	TS	1330	08/09/95	
Mercury	44836	U 0.5 MG/KG	7471	LP	1430	08/04/95	
Silver	44836	1.43 MG/KG	7760	TS	1130	08/09/95	

**Southeastern Environmental  
Laboratories, Inc.**  
**80 Industrial Loop North, Building 5**  
**Orange Park, FL 32073**  
**(904) 269-6176**

DHRS # 82315

DHRS E-82179

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
 SOLID WASTE DIVISION  
 5 NORTH LAURA ST. 6TH FLOOR  
 JACKSONVILLE, FL 32202-3156  
 MTN: LARY PERKINS

SAMPLED BY: CLIENT  
 CLIENT JOB/PO NUMBER:  
 SUBMISSION NUMBER: 9507000298  
 REPORTED DATE: 08/16/95  
 INVOICE NUMBER: 5791

PROJECT NAME: MARY MCLEOD BETHUNE ELEM

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	INITIAL	TIME	DATE
arsenic	44840	U 1.0	MG/KG	6010	LC	1100	08/09/95
Barium	44840	57.3	MG/KG	6010	LC	1200	08/14/95
Lead	44840	U 1.0	MG/KG	6010	LC	1100	08/09/95
Selenium	44840	K 5.0	MG/KG	6010	LC	1830	08/10/95
Chromium	44840	4.04	MG/KG	7190	TS	0900	08/10/95
Lead	44840	94.7	MG/KG	7420	TS	1330	08/09/95
Mercury	44840	U 0.5	MG/KG	7471	LP	1430	08/04/95
Silver	44840	U 1.0	MG/KG	7760	TS	1130	08/09/95

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	INITIAL	TIME	DATE
Arsenic	44833	K 5.0	MG/KG	6010	LC	1200	08/10/95
Barium	44833	386	MG/KG	6010	LC	1400	08/11/95
Lead	44833	6.28	MG/KG	6010	LC	1100	08/09/95
Selenium	44833	K 10.0	MG/KG	6010	LC	1100	08/11/95
Chromium	44833	9.18	MG/KG	7190	TS	0900	08/10/95
Lead	44833	1000	MG/KG	7420	TS	1330	08/09/95
Mercury	44833	U 0.5	MG/KG	7471	LP	1430	08/04/95
Silver	44833	1.56	MG/KG	7760	TS	1130	08/09/95

DHRS # 82315

DHRS E-82179

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Laboratories, Inc.  
80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
15 NORTH LAURA ST. 6TH FLOOR  
 JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: 9507000298  
SUBMISSION NUMBER: 9507000298  
REPORTED DATE: 08/16/95  
INVOICE NUMBER: 5791

PROJECT NAME: MARY MCLEOD BETHUNE ELEM

DESCRIPTION

SAMPLE ID

SB-3B

SAMPLE DATE: 07/24/95

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Arsenic	44871	U 1.0	MG/KG	6010	LC	1700	08/09/95
Barium	44871	13.5	MG/KG	6010	LC	1430	08/14/95
Cadmium	44871	U 1.0	MG/KG	6010	LC	1700	08/09/95
Selenium	44871	U 1.0	MG/KG	6010	LC	1700	08/09/95
Chromium	44871	4.98	MG/KG	7190	TS	0900	08/10/95
Lead	44871	18.1	MG/KG	7420	TS	1500	08/09/95
Mercury	44871	U 0.5	MG/KG	7471	LP	1430	08/04/95
Silver	44871	U 1.0	MG/KG	7760	TS	1130	08/09/95

DESCRIPTION

SAMPLE ID

SB-3W

SAMPLE DATE: 07/24/95

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Arsenic	44863	K 5.0	MG/KG	6010	LC	1300	08/10/95
Barium	44863	752	MG/KG	6010	LC	1300	08/14/95
Cadmium	44863	6.48	MG/KG	6010	LC	1530	08/09/95
Selenium	44863	K 5.0	MG/KG	6010	LC	1700	08/10/95
Chromium	44863	32.7	MG/KG	7190	TS	0900	08/10/95
Lead	44863	1330	MG/KG	7420	TS	1500	08/09/95
Mercury	44863	U 0.5	MG/KG	7471	LP	1430	08/04/95
Silver	44863	1.89	MG/KG	7760	TS	1130	08/09/95

1 2 3 4 5

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DHRS # 82315

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CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
 SOLID WASTE DIVISION  
 5 NORTH LAURA ST. 6TH FLOOR  
 JACKSONVILLE, FL 32202-3156  
 TIN: LARY PERKINS

SAMPLED BY: CLIENT  
 CLIENT JOB/PO NUMBER: PROJECT NAME: MARY MCLEOD BETHUNE ELEM  
 SUBMISSION NUMBER: 9507000298  
 REPORTED DATE: 08/16/95  
 INVOICE NUMBER: 5791

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Arsenic	44859	U 1.0	MG/KG	6010	LC	1430	08/09/95
Barium	44859	19.4	MG/KG	6010	LC	1300	08/14/95
Cadmium	44859	U 1.0	MG/KG	6010	LC	1430	08/09/95
Selenium	44859	U 1.0	MG/KG	6010	LC	1430	08/09/95
Chromium	44859	2.06	MG/KG	7190	TS	0900	08/10/95
Lead	44859	19.4	MG/KG	7420	TS	1500	08/09/95
Mercury	44859	U 0.5	MG/KG	7471	LP	1430	08/04/95
Silver	44859	U 1.0	MG/KG	7760	TS	1130	08/09/95

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Arsenic	44857	U 1.0	MG/KG	6010	LC	1430	08/09/95
Barium	44857	9.10	MG/KG	6010	LC	1300	08/14/95
Cadmium	44857	U 1.0	MG/KG	6010	LC	1430	08/09/95
Selenium	44857	U 1.0	MG/KG	6010	LC	1430	08/09/95
Chromium	44857	1.12	MG/KG	7190	TS	0900	08/10/95
Lead	44857	14.1	MG/KG	7420	TS	1500	08/09/95
Mercury	44857	U 0.5	MG/KG	7471	LP	1430	08/04/95
Silver	44857	U 1.0	MG/KG	7760	TS	1130	08/09/95

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DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
5 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
PTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: PROJECT NAME: MARY MCLEOD BETHUNE ELEM  
SUBMISSION NUMBER: 9507000298  
REPORTED DATE: 08/16/95  
INVOICE NUMBER: 5791

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	ANALYST			
				METHOD	INITIAL	TIME	DATE
arsenic	44866	K 5.0	MG/KG	6010	LC	1300	08/10/95
Barium	44866	298	MG/KG	6010	LC	1400	08/14/95
Cadmium	44866	3.80	MG/KG	6010	LC	1500	08/09/95
Selenium	44866	K 10.0	MG/KG	6010	LC	1100	08/11/95
Chromium	44866	12.4	MG/KG	7190	LC	0900	08/10/95
Lead	44866	768	MG/KG	7420	TS	1500	08/09/95
Mercury	44866	0.660	MG/KG	7471	LP	1400	08/10/95
Silver	44866	1.31	MG/KG	7760	TS	1130	08/09/95

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	ANALYST			
				METHOD	INITIAL	TIME	DATE
Arsenic	44854	K 5.0	MG/KG	6010	LC	1200	08/10/95
Barium	44854	34.0	MG/KG	6010	LC	1300	08/14/95
Cadmium	44854	U 1.0	MG/KG	6010	LC	1400	08/09/95
Selenium	44854	U 1.0	MG/KG	6010	LC	1400	08/09/95
Chromium	44854	6.06	MG/KG	7190	TS	0900	08/10/95
Lead	44854	34.5	MG/KG	7420	TS	1330	08/09/95
Mercury	44854	U 0.5	MG/KG	7471	LP	1430	08/04/95
Silver	44854	U 1.0	MG/KG	7760	TS	1130	08/09/95

JULY 1994

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CQAP #880633G

PARTMENT OF PUBLIC UTILITIES  
 SOLID WASTE DIVISION  
 5 NORTH LAURA ST. 6TH FLOOR  
 JACKSONVILLE, FL 32202-3156  
 MTN: LARY PERKINS

SAMPLED BY: CLIENT  
 CLIENT JOB/PO NUMBER:  
 SUBMISSION NUMBER: 9507000298  
 REPORTED DATE: 08/16/95  
 INVOICE NUMBER: 5791

PROJECT NAME: MARY MCLEOD BETHUNE ELEMENTARY

PARAMETER	ORDER NUMBER	DESCRIPTION		METHOD	ANALYST INITIAL	SAMPLE ID	
		RESULT	UNITS			TIME	DATE
Arsenic	44843	U 1.0	MG/KG	6010	LC	1100	08/09/95
Barium	44843	6.60	MG/KG	6010	LC	1200	08/14/95
Cadmium	44843	U 1.0	MG/KG	6010	LC	1100	08/09/95
Selenium	44843	U 1.0	MG/KG	6010	LC	1100	08/09/95
Chromium	44843	U 1.0	MG/KG	7190	TS	0900	08/10/95
Lead	44843	15.5	MG/KG	7420	TS	1330	08/09/95
Mercury	44843	U 0.5	MG/KG	7471	LP	1430	08/04/95
Silver	44843	U 1.0	MG/KG	7760	TS	1130	08/09/95

PARAMETER	ORDER NUMBER	DESCRIPTION		METHOD	ANALYST INITIAL	SAMPLE ID	
		RESULT	UNITS			TIME	DATE
Arsenic	44841	U 1.0	MG/KG	6010	LC	1100	08/09/95
Barium	44841	10.2	MG/KG	6010	LC	1200	08/14/95
Cadmium	44841	U 1.0	MG/KG	6010	LC	1100	08/09/95
Selenium	44841	U 1.0	MG/KG	6010	LC	1100	08/09/95
Chromium	44841	1.96	MG/KG	7190	TS	0900	08/10/95
Lead	44841	8.20	MG/KG	7420	TS	1330	08/09/95
Mercury	44841	U 0.5	MG/KG	7471	LP	1430	08/04/95
Silver	44841	U 1.0	MG/KG	7760	TS	1130	08/09/95

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DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
5 NORTH LAURA ST. 6TH FLOOR  
ACKSONVILLE, FL 32202-3156  
ITN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER:  
SUBMISSION NUMBER: 9507000298  
REPORTED DATE: 08/16/95  
INVOICE NUMBER: 5791

PROJECT NAME: MARY MCLEOD BETHUNE ELEM

DESCRIPTION

SAMPLE ID

SB-48W

SAMPLE DATE: 07/26/95

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Arsenic	44834	K 5.0	MG/KG	6010	LC	1300	08/10/95
Barium	44834	1060	MG/KG	6010	LC	1400	08/11/95
Cadmium	44834	9.4	MG/KG	6010	LC	1100	08/09/95
Selenium	44834	K 10.0	MG/KG	6010	LC	1100	08/11/95
Chromium	44834	22.0	MG/KG	7190	TS	0900	08/10/95
Lead	44834	2160	MG/KG	7420	TS	1330	08/09/95
Mercury	44834	U 0.5	MG/KG	7471	LP	1430	08/04/95
Silver	44834	1.34	MG/KG	7760	TS	1130	08/09/95

DESCRIPTION

SAMPLE ID

SB-4A

SAMPLE DATE: 07/24/95

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Arsenic	44851	K 5.0	MG/KG	6010	LC	1130	08/10/9
Barium	44851	66.6	MG/KG	6010	LC	1630	08/14/9
Cadmium	44851	1.08	MG/KG	6010	LC	1400	08/09/9
Selenium	44851	K 5.0	MG/KG	6010	LC	1700	08/10/9
Chromium	44851	4.00	MG/KG	7190	TS	0900	08/10/9
Lead	44851	193	MG/KG	7420	TS	1330	08/09/9
Mercury	44851	U 0.5	MG/KG	7471	LP	1430	08/04/9
Silver	44851	U 1.0	MG/KG	7760	TS	1130	08/09/9

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DHRS E-82179

CQAP #880633G

-PARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
5 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ITIN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER:  
SUBMISSION NUMBER: 9507000298  
REPORTED DATE: 08/16/95  
INVOICE NUMBER: 5791

PROJECT NAME: MARY MCLEOD BETHUNE ELEM

**DESCRIPTION****SAMPLE ID**

SB-51A

SAMPLE DATE: 07/26/95

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST	INITIAL	TIME	DATE
Arsenic	44852	K 5.0	MG/KG	6010	LC		1130	08/10/95
Barium	44852	276	MG/KG	6010	LC		1500	08/11/95
Cadmium	44852	1.68	MG/KG	6010	LC		1400	08/09/95
Selenium	44852	K 5.0	MG/KG	6010	LC		1700	08/10/95
Chromium	44852	8.68	MG/KG	7190	TS		0900	08/10/95
Lead	44852	2530	MG/KG	7420	TS		1330	08/09/95
Mercury	44852	U 0.5	MG/KG	7471	LP		1430	08/04/95
Silver	44852	1.20	MG/KG	7760	TS		1130	08/09/95

**DESCRIPTION****SAMPLE ID**

SB-51B

SAMPLE DATE: 07/26/95

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST	INITIAL	TIME	DATE
Arsenic	44845	K 5.0	MG/KG	6010	LC		1200	08/10/95
Barium	44845	18.5	MG/KG	6010	LC		1500	08/14/95
Cadmium	44845	U 1.0	MG/KG	6010	LC		1200	08/09/95
Selenium	44845	K 5.0	MG/KG	6010	LC		1630	08/10/95
Chromium	44845	5.82	MG/KG	7190	TS		0900	08/10/95
Lead	44845	12.8	MG/KG	7420	TS		1330	08/09/95
Mercury	44845	U 0.5	MG/KG	7471	LP		1430	08/04/95
Silver	44845	U 1.0	MG/KG	7760	TS		1130	08/09/95

6/13/97

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(904) 269-6176

DHRS E-82179

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
5 NORTH LAURA ST. 6TH FLOOR  
CKSONVILLE, FL 32202-3156  
TTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER:  
SUBMISSION NUMBER: 9507000298  
REPORTED DATE: 08/16/95  
INVOICE NUMBER: 5791

PROJECT NAME: MARY MCLEOD BETHUNE ELEMENTARY

DESCRIPTION				SAMPLE ID				
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST	INITIAL	TIME	DATE
arsenic	44837	K 5.0	MG/KG	6010	LC		1200	08/10/95
Barium	44837	688	MG/KG	6010	LC		1200	08/14/95
Cadmium	44837	8.32	MG/KG	6010	LC		1100	08/09/95
Selenium	44837	K 10.0	MG/KG	6010	LC		1100	08/11/95
Chromium	44837	15.9	MG/KG	7190	TS		0900	08/10/95
Lead	44837	2100	MG/KG	7420	TS		1330	08/09/95
Mercury	44837	U 0.5	MG/KG	7471	LP		1430	08/04/95
Silver	44837	1.58	MG/KG	7760	TS		1130	08/09/95

DESCRIPTION				SAMPLE ID				
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST	INITIAL	TIME	DATE
Arsenic	44842	U 1.0	MG/KG	6010	LC		1100	08/09/95
Barium	44842	6.10	MG/KG	6010	LC		1200	08/14/95
Cadmium	44842	U 1.0	MG/KG	6010	LC		1100	08/09/95
Selenium	44842	U 1.0	MG/KG	6010	LC		1100	08/09/95
Chromium	44842	U 1.0	MG/KG	7190	TS		0900	08/10/95
Lead	44842	12.8	MG/KG	7420	TS		1330	08/09/95
Mercury	44842	U 0.5	MG/KG	7471	LP		1430	08/04/95
Silver	44842	U 1.0	MG/KG	7760	TS		1130	08/09/95

DHRS # 82315

DHRS E-82179

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CQAP #880633G

PARTMENT OF PUBLIC UTILITIES  
 SOLID WASTE DIVISION  
 15 NORTH LAURA ST. 6TH FLOOR  
 JACKSONVILLE, FL 32202-3156  
 ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
 CLIENT JOB/PO NUMBER: PROJECT NAME: MARY MCLEOD BETHUNE ELEM  
 SUBMISSION NUMBER: 9507000298  
 REPORTED DATE: 08/16/95  
 INVOICE NUMBER: 5791

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Arsenic	44835	K 5.0	MG/KG	6010	LC	1200	08/10/95
Barium	44835	1300	MG/KG	6010	LC	1200	08/14/95
Cadmium	44835	10.8	MG/KG	6010	LC	1100	08/09/95
Selenium	44835	K 10.0	MG/KG	6010	LC	1100	08/11/95
Chromium	44835	28.3	MG/KG	7190	TS	0900	08/10/95
Lead	44835	1820	MG/KG	7420	TS	1330	08/09/95
Mercury	44835	U 0.5	MG/KG	7471	LP	1430	08/04/95
Silver	44835	2.53	MG/KG	7760	TS	1130	08/09/95

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Arsenic	44858	U 1.0	MG/KG	6010	LC	1430	08/09/95
Barium	44858	4.80	MG/KG	6010	LC	1300	08/14/95
Cadmium	44858	U 1.0	MG/KG	6010	LC	1430	08/09/95
Selenium	44858	U 1.0	MG/KG	6010	LC	1430	08/09/95
Chromium	44858	1.12	MG/KG	7190	TS	0900	08/10/95
Lead	44858	9.76	MG/KG	7420	TS	1500	08/09/95
Mercury	44858	U 0.5	MG/KG	7471	LP	1430	08/04/95
Silver	44858	U 1.0	MG/KG	7760	TS	1130	08/09/95

DHRS # 82315

DHRS E-82179

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DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
5 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ITIN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER:  
SUBMISSION NUMBER: 9507000298  
REPORTED DATE: 08/16/95  
INVOICE NUMBER: 5791

PROJECT NAME: MARY MCLEOD BETHUNE ELEM

DESCRIPTION

SAMPLE ID

SB-57B

SAMPLE DATE: 07/25/95

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Arsenic	44849	U 1.0	MG/KG	6010	LC	1200	08/09/95
Barium	44849	3.11	MG/KG	6010	LC	1630	08/14/95
Cadmium	44849	U 1.0	MG/KG	6010	LC	1200	08/09/95
Selenium	44849	U 1.0	MG/KG	6010	LC	1200	08/09/95
Chromium	44849	U 1.0	MG/KG	7190	TS	0900	08/10/95
Lead	44849	3.66	MG/KG	7420	TS	1330	08/09/95
Mercury	44849	U 0.5	MG/KG	7471	LP	1430	08/04/95
Silver	44849	U 1.0	MG/KG	7760	TS	1130	08/09/95

DESCRIPTION

SAMPLE ID

SB-57W

SAMPLE DATE: 07/25/95

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Arsenic	44862	K 5.0	MG/KG	6010	LC	1200	08/10/95
Barium	44862	856	MG/KG	6010	LC	1300	08/14/95
Cadmium	44862	U 1.0	MG/KG	6010	LC	1500	08/09/95
Selenium	44862	K 5.0	MG/KG	6010	LC	1730	08/10/95
Chromium	44862	3.06	MG/KG	7190	TS	0900	08/10/95
Lead	44862	88.9	MG/KG	7420	TS	1500	08/09/95
Mercury	44862	U 0.5	MG/KG	7471	LP	1430	08/04/95
Silver	44862	U 1.0	MG/KG	7760	TS	1130	08/09/95

DHRS # 82315

DHRS E-82179

Southeastern Environmental  
Laboratories, Inc.  
80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

CQAP #880633G

ARTMENT OF PUBLIC UTILITIES  
OLID WASTE DIVISION  
5 NORTH LAURA ST. 6TH FLOOR  
CKSONVILLE, FL 32202-3156  
IN: LARY PERKINS

SAMPLED BY: CLIENT  
IENT JOB/PO NUMBER: PROJECT NAME: MARY MCLEOD BETHUNE ELEM  
SUBMISSION NUMBER: 9507000298  
REPORTED DATE: 08/16/95  
INVOICE NUMBER: 5791

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
arsenic	44846	U 1.0	MG/KG	6010	LC	1200	08/09/95
arium	44846	14.6	MG/KG	6010	LC	1500	08/14/95
Cadmium	44846	U 1.0	MG/KG	6010	LC	1200	08/09/95
elenium	44846	K 5.0	MG/KG	6010	LC	1630	08/10/95
romium	44846	4.46	MG/KG	7190	TS	0900	08/10/95
Lead	44846	3.18	MG/KG	7420	TS	1330	08/09/95
Mercury	44846	U 0.5	MG/KG	7471	LP	1430	08/04/95
Silver	44846	U 1.0	MG/KG	7760	TS	1130	08/09/95

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Arsenic	44838	K 5.0	MG/KG	6010	LC	1200	08/10/95
Barium	44838	276	MG/KG	6010	LC	1400	08/11/95
Cadmium	44838	10.4	MG/KG	6010	LC	1100	08/09/95
Selenium	44838	K 10.0	MG/KG	6010	LC	1100	08/11/95
Chromium	44838	15.8	MG/KG	7190	TS	0900	08/10/95
Lead	44838	2000	MG/KG	7420	TS	1330	08/09/95
Mercury	44838	U 0.5	MG/KG	7471	LP	1430	08/04/95
Silver	44838	1.85	MG/KG	7760	TS	1130	08/09/95

DHRS # 82315

Southeastern Environmental  
Laboratories, Inc.  
80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

DHRS E-82179

CQAP #880633G

ARTMENT OF PUBLIC UTILITIES  
OLID WASTE DIVISION  
5 NORTH LAURA ST. 6TH FLOOR  
CKSONVILLE, FL 32202-3156  
PTN: LARY PERKINS

SAMPLED BY: CLIENT  
-IENT JOB/PO NUMBER:  
SUBMISSION NUMBER: 9507000298  
REPORTED DATE: 08/16/95  
INVOICE NUMBER: 5791

PROJECT NAME: MARY MCLEOD BETHUNE ELEM

DESCRIPTION

SAMPLE ID

3-9W

MIPLE DATE: 07/26/95

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
rsenic	44868	115	MG/KG	6010	TS	1445	08/10/95
Barium	44868	344	MG/KG	6010	LC	1400	08/14/95
Dadmium	44868	17.1	MG/KG	6010	LC	1500	08/09/95
elenium	44868	K 10.0	MG/KG	6010	LC	1100	08/11/95
hromium	44868	12.3	MG/KG	7190	LC	0900	08/10/95
Lead	44868	1890	MG/KG	7420	TS	1500	08/09/95
mercury	44868	0.600	MG/KG	7471	LP	1400	08/10/95
ilver	44868	7.05	MG/KG	7760	TS	1130	08/09/95

DHRS # 82315

Southeastern Environmental  
Laboratories, Inc.  
80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

DHRS E-8217

SOUTHEASTERN ENVIRONMENTAL LABORATORIES, INC.  
SUBMISSION RECEIVAL FORM

BMISSION #: 9507000298

ATE RECEIVED: 07/28/95

IENT NAME: DEPARTMENT OF PUBLIC UTILITIES

ORDER #	FIELD ID	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME
44830		SB-22A	07/25/95	08:20
44831		SB-17A	07/26/95	08:00
44832		SB-30W	07/27/95	10:45
44833		SB-38W	07/27/95	10:00
44834		SB-48W	07/26/95	16:20
44835		SB-52W	07/26/95	15:27
44836		SB-37W	07/27/95	09:41
44837		SB-51W	07/26/95	14:45
44838		SB-61W	07/26/95	14:00
44839		SB-34W	07/26/95	11:35
44840		SB-38B	07/27/95	10:00
44841		SB-48B	07/26/95	16:20
44842		SB-52B	07/26/95	15:27
44843		SB-46B	07/27/95	07:51
44844		SB-26B	07/27/95	07:00
44845		SB-51B	07/26/95	14:45
44846		SB-61B	07/26/95	14:00
44847		SB-34B	07/26/95	11:35
44848		SB-16B	07/26/95	07:48
44849		SB-57B	07/25/95	09:55
44850		SB-13A	07/24/95	13:54
44851		SB-4A	07/24/95	14:30
44852		SB-51A	07/26/95	14:45
44853		SB-26A	07/27/95	07:00
44854		SB-46A	07/27/95	07:51
44855		SB-16A	07/26/95	07:48
44856		SB-33A	07/26/95	09:45
44857		SB-43A	07/25/95	10:41
44858		SB-53A	07/25/95	09:12
44859		SB-40A	07/25/95	11:20
44860		SB-16W	07/26/95	07:48
44861		SB-33W	07/26/95	09:45
44862		SB-57W	07/25/95	09:55
44863		SB-3W	07/24/95	13:30
44864		SB-20W	07/25/95	14:00
44865		SB-12W	07/25/95	13:15
44866		SB-44W	07/25/95	10:30
44867		SB-35W	07/27/95	07:15
44868		SB-9W	07/26/95	09:12

DHRS # 82315

Southeastern Environmental  
Laboratories, Inc.  
80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

DHRS E-8217

SOUTHEASTERN ENVIRONMENTAL LABORATORIES, INC.  
SUBMISSION RECEIVAL FORM

BMISSION #: 9507000298

ATE RECEIVED: 07/28/95

IENT NAME: DEPARTMENT OF PUBLIC UTILITIES

ORDER #	FIELD ID	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME
44830		SB-22A	07/25/95	08:20
44831		SB-17A	07/26/95	08:00
44832		SB-30W	07/27/95	10:45
44833		SB-38W	07/27/95	10:00
44834		SB-48W	07/26/95	16:20
44835		SB-52W	07/26/95	15:27
44836		SB-37W	07/27/95	09:41
44837		SB-51W	07/26/95	14:45
44838		SB-61W	07/26/95	14:00
44839		SB-34W	07/26/95	11:35
44840		SB-38B	07/27/95	10:00
44841		SB-48B	07/26/95	16:20
44842		SB-52B	07/26/95	15:27
44843		SB-46B	07/27/95	07:51
44844		SB-26B	07/27/95	07:00
44845		SB-51B	07/26/95	14:45
44846		SB-61B	07/26/95	14:00
44847		SB-34B	07/26/95	11:35
44848		SB-16B	07/26/95	07:48
44849		SB-57B	07/25/95	09:55
44850		SB-13A	07/24/95	13:54
44851		SB-4A	07/24/95	14:30
44852		SB-51A	07/26/95	14:45
44853		SB-26A	07/27/95	07:00
44854		SB-46A	07/27/95	07:51
44855		SB-16A	07/26/95	07:48
44856		SB-33A	07/26/95	09:45
44857		SB-43A	07/25/95	10:41
44858		SB-53A	07/25/95	09:12
44859		SB-40A	07/25/95	11:20
44860		SB-16W	07/26/95	07:48
44861		SB-33W	07/26/95	09:45
44862		SB-57W	07/25/95	09:55
44863		SB-3W	07/24/95	13:30
44864		SB-20W	07/25/95	14:00
44865		SB-12W	07/25/95	13:15
44866		SB-44W	07/25/95	10:30
44867		SB-35W	07/27/95	07:15
44868		SB-9W	07/26/95	09:17

Southeastern Environmental  
Laboratories, Inc.  
80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

DHRS # 82315

DHRS E-82179

SOUTHEASTERN ENVIRONMENTAL LABORATORIES, INC.  
SUBMISSION RECEIVAL FORM

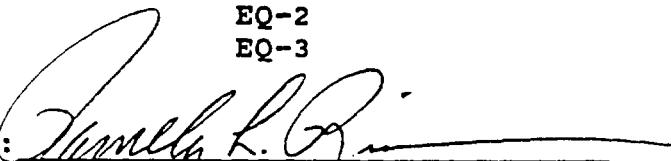
BMISSION #: 9507000298

ATE RECEIVED: 07/28/95

IENT NAME: DEPARTMENT OF PUBLIC UTILITIES

ORDER #	FIELD ID	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME
44869		SB-30B	07/27/95	10:45
44870		SB-20B	07/25/95	14:00
44871		SB-3B	07/24/95	13:30
44872		EQ-1	07/24/95	11:50
44873		EQ-2	07/25/95	07:50
44874		EQ-3	07/27/95	06:15

pproved By:

  
Pamela L. Rivers  
Laboratory Manager

Southeastern Environmental  
Laboratories, Inc.  
80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

# CHAIN OF CUSTODY RECORD

Client: Duval County School Board  
Facilities Division, 5th Floor

PROJECT DESCRIPTION Mary Mcleod Bethune  
Elem. School/Brown's Dump Site

ATTN: Chad Gunter

NO. OF SAMPLE CONTAINERS

ANALYSIS REQUEST  
RCRA  
do

SAMPLER (SIGNATURE) Chad E. Gunter

95 - 7 - 298

Page \_\_\_\_ of \_\_\_\_

FIELD ID #	DATE	TIME (MILITARY)	SAMPLE DESCRIPTION	FT. DTW	COND.	TEMP.	pH	D.O.
SB- 22 A	7/25	8:20	SOIL	X				
SB- 17 A	7/26	8:00		X				
SB- 30 W	7/27	10:45		X				
SB- 38 W	7/27	10:00		X				
SB- 48 W	7/26	14:20		X				
SB- 52 W	7/26	15:27		X				
SB- 37 W	7/27	9:41		X				
SB- 51 W	7/26	14:45		X				
SB- 61 W	7/26	14:00		X				
SB- 34 W	7/26	11:35		X				
RELINQUISHED BY (SIGNATURE)	DATE	TIME (MILITARY)	RECEIVED BY (SIGNATURE)	DATE	TIME (MILITARY)	RELINQUISHED BY (SIGNATURE)	DATE	TIME (MILITARY)
<u>Chad E. Gunter</u>	7/25	11:23	<u>G. Stegall</u>	7/26	11:30	<u>Chad E. Gunter</u>	7/28	12:00
RELINQUISHED BY (SIGNATURE)	DATE	TIME (MILITARY)	RECEIVED BY (SIGNATURE)	DATE	TIME (MILITARY)	REMARKS:	DATE	TIME (MILITARY)
						✓ 11-11 G. Stegall for TCR Analysis	7/28	12:30

Southeastern Environmental  
Laboratories, Inc.  
80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

## CHAIN OF CUSTODY RECORD

Client: Duval County School board  
Facilities Division, 5th Floor

PROJECT DESCRIPTION Mary Mcleod Bethune ATTN: Chad Gunter  
NO. OF S  
Elem. school / Brown's Dump Site

**SAMPLER (SIGNATURE)**

Charles H.

ANALYSIS REQUEST

Page \_\_\_\_\_ of \_\_\_\_\_

FIELD ID #	DATE	TIME (MILITARY)	SAMPLE DESCRIPTION	FT. DTW	COND.	TEMP.	pH	D.O.
SB-38B	7/27	10:00	SOIL	X				
SB-48B	7/26	14:20		X				
SB-52B	7/26	15:27		X				
SB-46B	7/27	7:51		X				
SB-24B	7/27	7:00		X				
SB-51B	7/26	14:45		X				
SB-61B	7/26	14:00		X				
SB-34B	7/26	11:35		X				
SB-16B	7/26	7:48		X				
SB-57B	7/25	9:35		X				

Southeastern Environmental  
Laboratories, Inc.  
80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

# CHAIN OF CUSTODY RECORD

Client: Duval County School Board  
Facilities Division, 5th Floor

PROJECT DESCRIPTION Mary Mcleod Bethune ATTN: Chad Gunter  
Elem. School / Brown's Dump Site

NO. OF SAMPLE CONTAINERS

SAMPLER (SIGNATURE) Chad E. Hink

ANALYSIS REQUEST  
8 RCRA

Page \_\_\_\_ of \_\_\_\_

FIELD ID #	DATE	TIME (MILITARY)	SAMPLE DESCRIPTION	FT. DTW	COND.	TEMP.	pH	D.O.
SB-13A	7/24/95	13:54	SOIL					
SB-4 A	7/24/95	14:30						
SB-51 A	7/26	14:45						
SB-26 A	7/27	7:00						
SB-46 A	7/27	7:51						
SB-16 A	7/26	7:48						
SB-33 A	7/26	9:45						
SB-43 A	7/25	10:41						
SB-53 A	7/25	9:12						
SB-40 A	7/25	11:20						
RELINQUISHED BY (SIGNATURE)	DATE	TIME (MILITARY)	RECEIVED BY (SIGNATURE)	DATE	TIME (MILITARY)	RELINQUISHED BY (SIGNATURE)	DATE	TIME (MILITARY)
<u>Chad E. Hink</u>	7/24	11:24	<u>J. S.</u>	7/28	11:30	<u>J. S.</u>	7/28	12:20
RELINQUISHED BY (SIGNATURE)	DATE	TIME (MILITARY)	RECEIVED BY (SIGNATURE)	DATE	TIME (MILITARY)	REMARKS:	DATE	TIME (MILITARY)
						↓ Hold all Samples for possible TC10 analysis	7/28	12:30

Southeastern Environmental  
Laboratories, Inc.  
80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

# CHAIN OF CUSTODY RECORD

Client: Duval County School Board  
Facilities Division, 5th Floor

PROJECT DESCRIPTION Mary McLeod Bethune  
Elem. School / Brown's Dump Site ATTN: Chad Gunter

NO. OF SAMPLE CONTAINERS

SAMPLER (SIGNATURE) Chad G. Hilt

ANALYSIS REQUEST  
RCRA

Page \_\_\_\_ of \_\_\_\_

FIELD ID #	DATE	TIME (MILITARY)	SAMPLE DESCRIPTION	FT.	DTW	COND.	TEMP.	pH	D.O.		
SB - 16 W	7/26	7:48	SOIL	X							
SB - 33 W	7/26	9:45		X							
SB - 57 W	7/25	9:55		X							
SB - 3 W	7/24	13:30		X							
SB - 20 W	7/25	14:00		X							
SB - 12 W	7/25	13:15		X							
SB - 44 W	7/25	10:30		X							
SB - 35 W	7/27	7:15		X							
SB - 9 W	7/26	9:17		X							
SB - 30 B	7/27	10:45		X							
RELINQUISHED BY (SIGNATURE)	DATE	TIME (MILITARY)	RECEIVED BY (SIGNATURE)	DATE	TIME (MILITARY)	RELINQUISHED BY (SIGNATURE)	DATE	TIME (MILITARY)	RECEIVED BY (SIGNATURE)	DATE	TIME (MILITARY)
<u>Chad G. Hilt</u>	7/26	11:23		7/26	13:15		7/28	12:20	<u>A. Story</u>	7/28	12:20
RELINQUISHED BY (SIGNATURE)	DATE	TIME (MILITARY)	RECEIVED BY (SIGNATURE)	DATE	TIME (MILITARY)	REMARKS:					
						"Hold all samples for possible TCLP Anal... : *					

**Southeastern Environmental  
Laboratories, Inc.**  
80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

## CHAIN OF CUSTODY RECORD

Client: Duval County School Board  
Facilities Division, 5th Floor

PROJECT DESCRIPTION Mary Mcleod Bethune      ATTN: Chad Gunter  
Elev. School/Brown's Dr. & Site      NO. OF SAMPLE CONTAINERS

SAMPLER (SIGNATURE) Carol E. Hart

Chuck E. Lind

**NO. OF SAMPLE CONTAINERS**

**ANALYSIS REQUEST**  
**8 RCR 1**

Page \_\_\_\_\_ of \_\_\_\_\_

RELINQUISHED BY (SIGNATURE)	DATE	TIME (MILITARY)	RECEIVED BY (SIGNATURE)	DATE	TIME (MILITARY)	RELINQUISHED BY (SIGNATURE)	DATE	TIME (MILITARY)	RECEIVED BY (SIGNATURE)	DATE	TIME (MILITARY)
<i>Chad E. Stedt</i>	10/28	1125		11/08	1120	<i>Chad E. Stedt</i>	11/08	1230	<i>A. Steely</i>	11/08	1230
RELINQUISHED BY (SIGNATURE)	DATE	TIME (MILITARY)	RECEIVED BY (SIGNATURE)	DATE	TIME (MILITARY)	REMARKS:					

DHRS # 82315

Southeastern Environmental  
Laboratories, Inc.  
80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

DHRS E-82179

CQAP #880633G

EPARTMENT OF PUBLIC UTILITIES  
OLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
ACKSONVILLE, FL 32202-3156  
TTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP SITE  
SUBMISSION NUMBER: 9508000035  
REPORTED DATE: 08/22/95  
INVOICE NUMBER: 5824

DESCRIPTION	SAMPLE ID						
=====	=====						
3W SOIL							
=====	=====						
SAMPLE DATE: 07/31/95							
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Arsenic	45105	K 5.0	MG/KG	6010	LC	1300	08/10/95
arium	45105	515	MG/KG	6010	LC	1430	08/14/95
Cadmium	45105	10.0	MG/KG	6010	LC	1700	08/09/95
elenium	45105	K 5.0	MG/KG	6010	LC	1830	08/10/95
hromium	45105	22.1	MG/KG	7190	TS	0900	08/10/95
Lead	45105	7460	MG/KG	7420	TS	1500	08/09/95
Mercury	45105	0.695	MG/KG	7471	LC	1000	08/19/95
ilver	45105	1.41	MG/KG	7760	TS	1130	08/09/95

DESCRIPTION	SAMPLE ID						
=====	=====						
SS-1 SOIL							
=====	=====						
SAMPLE DATE: 08/01/95							
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
/,2,4-Trichlorobenzene	45106	U 660	UG/KG	8270	KB	1248	08/17/95
,2-Dichlorobenzene	45106	U 660	UG/KG	8270	KB	1248	08/17/95
/,3-Dichlorobenzene	45106	U 660	UG/KG	8270	KB	1248	08/17/95
,,2-Dichlorobenzene	45106	U 660	UG/KG	8270	KB	1248	08/17/95
/,4,6-Trichlorophenol	45106	U 660	UG/KG	8270	KB	1248	08/17/95
,4-Dichlorophenol	45106	U 660	UG/KG	8270	KB	1248	08/17/95
/,4-Dimethylphenol	45106	U 660	UG/KG	8270	KB	1248	08/17/95
,4-Dinitrophenol	45106	U 3300	UG/KG	8270	KB	1248	08/17/95

**Southeastern Environmental  
Laboratories, Inc.**

DHRS # 82315

80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

DHRS E-82179

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP SITE  
SUBMISSION NUMBER: 9508000035  
REPORTED DATE: 08/22/95  
INVOICE NUMBER: 5824

**DESCRIPTION**

**SAMPLE ID**

62B SOIL

SAMPLE DATE: 07/31/95

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Arsenic	45103	K 5.0	MG/KG	6010	LC	1300	08/10/95
Barium	45103	184	MG/KG	6010	LC	1430	08/14/95
Cadmium	45103	4.56	MG/KG	6010	LC	1700	08/09/95
Selenium	45103	K 5.0	MG/KG	6010	LC	1830	08/10/95
Chromium	45103	14.4	MG/KG	7190	TS	0900	08/10/95
Lead	45103	716	MG/KG	7420	TS	1500	08/09/95
Mercury	45103	U 0.5	MG/KG	7471	LP	1500	08/10/95
Silver	45103	1.48	MG/KG	7760	TS	1130	08/09/95

**DESCRIPTION**

**SAMPLE ID**

63B SOIL

SAMPLE DATE: 07/31/95

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Arsenic	45104	U 1.0	MG/KG	6010	LC	1700	08/09/95
Barium	45104	47.2	MG/KG	6010	LC	1430	08/14/95
Cadmium	45104	U 1.0	MG/KG	6010	LC	1700	08/09/95
Selenium	45104	U 1.0	MG/KG	6010	LC	1700	08/09/95
Chromium	45104	5.00	MG/KG	7190	TS	0900	08/10/95
Lead	45104	263	MG/KG	7420	TS	1500	08/09/95
Mercury	45104	U 0.5	MG/KG	7471	LP	1500	08/10/95
Silver	45104	U 1.0	MG/KG	7760	TS	1130	08/09/95

DHRS # 82315

DHRS E-82179

Southeastern Environmental  
Laboratories, Inc.  
80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071  
SUBMISSION NUMBER: 9508000035  
REPORTED DATE: 08/22/95  
INVOICE NUMBER: 5824

PROJECT NAME: BROWNS DUMP SITE

DESCRIPTION

SAMPLE ID

SS-1 SOIL

SAMPLE DATE: 08/01/95

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
1,4-Dinitrotoluene	45106	U 660	UG/KG	8270	KB	1248	08/17/95
1,6-Dinitrotoluene	45106	U 660	UG/KG	8270	KB	1248	08/17/95
2-Chloronaphthalene	45106	U 660	UG/KG	8270	KB	1248	08/17/95
2-Chlorophenol	45106	U 660	UG/KG	8270	KB	1248	08/17/95
1-Nitrophenol	45106	U 660	UG/KG	8270	KB	1248	08/17/95
3,3'-Dichlorobenzidine	45106	U 1300	UG/KG	8270	KB	1248	08/17/95
4,4'-DDD	45106	U 660	UG/KG	8270	KB	1248	08/17/95
1,4'-DDE	45106	U 660	UG/KG	8270	KB	1248	08/17/95
1,4'-DDT	45106	U 660	UG/KG	8270	KB	1248	08/17/95
4,6-Dinitro-2-Methylphenol	45106	U 3300	UG/KG	8270	KB	1248	08/17/95
1-Bromophenyl Phenyl Ether	45106	U 660	UG/KG	8270	KB	1248	08/17/95
1-Chloro-3-Methylphenol	45106	U 1300	UG/KG	8270	KB	1248	08/17/95
4-Chlorophenyl Phenyl Ether	45106	U 660	UG/KG	8270	KB	1248	08/17/95
4-Nitrophenol	45106	U 3300	UG/KG	8270	KB	1248	08/17/95
1-BHC	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Acenaphthene	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Acenaphthylene	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Aldrin	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Anthracene	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Aroclor-1016	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Aroclor-1221	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Aroclor-1232	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Aroclor-1242	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Aroclor-1248	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Aroclor-1254	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Aroclor-1260	45106	U 660	UG/KG	8270	KB	1248	08/17/95
B-BHC	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Benzidine	45106	U 660	UG/KG	8270	KB	1248	08/17/95

DHRS # 82315

**Southeastern Environmental  
Laboratories, Inc.**  
**80 Industrial Loop North, Building 5**  
**Orange Park, FL 32073**  
**(904) 269-6176**

DHRS E-82179

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP SITE  
SUBMISSION NUMBER: 9508000035  
REPORTED DATE: 08/22/95  
INVOICE NUMBER: 5824

**DESCRIPTION****SAMPLE ID**

CSS-1 SOIL

SAMPLE DATE: 08/01/95

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Benzo(A)Anthracene	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Benzo(A)Pyrene	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Benzo(B)Fluoranthene	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Benzo(G,H,I)Perylene	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Benzo(K)Fluoranthene	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Bis(2-Chloroethoxy)Methane	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Bis(2-Chloroethyl)Ether	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Bis(2-Chloroisopropyl)Ether	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Bis(2-Ethylhexyl)Phthalate	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Butyl Benzyl Phthalate	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Chlordane	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Chrysene	45106	U 660	UG/KG	8270	KB	1248	08/17/95
D-BHC	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Di-N-Butylphthalate	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Di-N-Octylphthalate	45106	U 660	UG/KG	8270	KB	1248	08/17/95
DiBenz(A,H)Anthracene	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Dieldrin	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Diethylphthalate	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Dimethylphthalate	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Endosulfan I	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Endosulfan II	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Endosulfan Sulfate	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Endrin Aldehyde	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Endrin	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Fluoranthene	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Fluorene	45106	U 660	UG/KG	8270	KB	1248	08/17/95
G-BHC (Lindane)	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Heptachlor Epoxide	45106	U 660	UG/KG	8270	KB	1248	08/17/95

DHRS # 82315

**Southeastern Environmental  
Laboratories, Inc.**  
**80 Industrial Loop North, Building 5**  
**Orange Park, FL 32073**  
**(904) 269-6176**

DHRS E-82179

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
 SOLID WASTE DIVISION  
 515 NORTH LAURA ST. 6TH FLOOR  
 JACKSONVILLE, FL 32202-3156  
 TTN: LARY PERKINS

SAMPLED BY: CLIENT  
 CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP SITE  
 SUBMISSION NUMBER: 9508000035  
 REPORTED DATE: 08/22/95  
 INVOICE NUMBER: 5824

DESCRIPTION	SAMPLE ID
SS-1 SOIL	
SAMPLE DATE: 08/01/95	

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Heptachlor	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Hexachlorobenzene	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Hexachlorobutadiene	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Hexachlorocyclopentadiene	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Hexachloroethane	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Indeno(1,2,3-CD)Pyrene	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Isophorone	45106	U 660	UG/KG	8270	KB	1248	08/17/95
1-Nitroso-Di-N-Propylamine	45106	U 660	UG/KG	8270	KB	1248	08/17/95
1-Nitrosodimethylamine	45106	U 660	UG/KG	8270	KB	1248	08/17/95
N-Nitrosodiphenylamine	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Naphthalene	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Nitrobenzene	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Pentachlorophenol	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Phenanthrene	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Phenol	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Pyrene	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Toxaphene	45106	U 660	UG/KG	8270	KB	1248	08/17/95
1,2,4,5-Tetrachlorobenzene	45106	U 660	UG/KG	8270	KB	1248	08/17/95
1,2-Diphenylhydrazine	45106	U 660	UG/KG	8270	KB	1248	08/17/95
1-Chloronaphthalene	45106	U 660	UG/KG	8270	KB	1248	08/17/95
1-Naphthylamine	45106	U 660	UG/KG	8270	KB	1248	08/17/95
2,3,4,6-Tetrachlorophenol	45106	U 660	UG/KG	8270	KB	1248	08/17/95
2,4,5-Trichlorophenol	45106	U 660	UG/KG	8270	KB	1248	08/17/95
2-Dichlorophenol	45106	U 660	UG/KG	8270	KB	1248	08/17/95
2-Methylnaphthalene	45106	U 660	UG/KG	8270	KB	1248	08/17/95
2-Methylphenol	45106	U 660	UG/KG	8270	KB	1248	08/17/95
2-Naphthylamine	45106	U 660	UG/KG	8270	KB	1248	08/17/95
2-Nitroaniline	45106	U 660	UG/KG	8270	KB	1248	08/17/95

DHRS # 82315

Southeastern Environmental  
Laboratories, Inc.  
80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

DHRS E-82179

CQAP #880633G

EPARTMENT OF PUBLIC UTILITIES  
OLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
ACKSONVILLE, FL 32202-3156  
TTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP SITE  
SUBMISSION NUMBER: 9508000035  
REPORTED DATE: 08/22/95  
INVOICE NUMBER: 5824

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST		
					INITIAL	TIME	DATE
2-Picoline	45106	U 660	UG/KG	8270	KB	1248	08/17/95
3-Methylcholanthrene	45106	U 660	UG/KG	8270	KB	1248	08/17/95
3-Nitroaniline	45106	U 660	UG/KG	8270	KB	1248	08/17/95
4-Aminobiphenyl	45106	U 660	UG/KG	8270	KB	1248	08/17/95
1-Chloroaniline	45106	U 660	UG/KG	8270	KB	1248	08/17/95
1-Nitroaniline	45106	U 660	UG/KG	8270	KB	1248	08/17/95
7,12-Dimethylbenzo(A)Anthracene	45106	U 660	UG/KG	8270	KB	1248	08/17/95
1-A-Dimethylphenethylamine	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Acetophenone	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Aniline	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Benzoic Acid	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Benzyl Alcohol	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Dibenz(A,J)Acridine	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Dibenzofuran	45106	U 660	UG/KG	8270	KB	1248	08/17/95
2-Phenylamine	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Ethyl Methanesulfonate	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Methoxychlor	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Methyl Methanesulfonate	45106	U 660	UG/KG	8270	KB	1248	08/17/95
N-Nitroso-Di-N-Butylamine	45106	U 660	UG/KG	8270	KB	1248	08/17/95
N-Nitrosopiperidine	45106	U 660	UG/KG	8270	KB	1248	08/17/95
P-Dimethylaminoazobenzene	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Pentachlorobenzene	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Pentachloronitrobenzene	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Penacetin	45106	U 660	UG/KG	8270	KB	1248	08/17/95
Penonamide	45106	U 660	UG/KG	8270	KB	1248	08/17/95

DHRS # 82315

**Southeastern Environmental  
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**80 Industrial Loop North, Building 5**  
**Orange Park, FL 32073**  
**(904) 269-6176**

DHRS E-82179

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP SITE  
SUBMISSION NUMBER: 9508000035  
REPORTED DATE: 08/22/95  
INVOICE NUMBER: 5824

PARAMETER	ORDER NUMBER	DESCRIPTION		METHOD	SAMPLE ID		
		RESULT	UNITS		INITIAL	TIME	DATE
1,2,4-Trichlorobenzene	45107	U 660	UG/KG	8270	KB	1400	08/17/95
1,2-Dichlorobenzene	45107	U 660	UG/KG	8270	KB	1400	08/17/95
1,3-Dichlorobenzene	45107	U 660	UG/KG	8270	KB	1400	08/17/95
1,4-Dichlorobenzene	45107	U 660	UG/KG	8270	KB	1400	08/17/95
2,4,6-Trichlorophenol	45107	U 660	UG/KG	8270	KB	1400	08/17/95
2,4-Dichlorophenol	45107	U 660	UG/KG	8270	KB	1400	08/17/95
2,4-Dimethylphenol	45107	U 660	UG/KG	8270	KB	1400	08/17/95
2,4-Dinitrophenol	45107	U 3300	UG/KG	8270	KB	1400	08/17/95
2,4-Dinitrotoluene	45107	U 660	UG/KG	8270	KB	1400	08/17/95
2,6-Dinitrotoluene	45107	U 660	UG/KG	8270	KB	1400	08/17/95
2-Chloronaphthalene	45107	U 660	UG/KG	8270	KB	1400	08/17/95
2-Chlorophenol	45107	U 660	UG/KG	8270	KB	1400	08/17/95
2-Nitrophenol	45107	U 660	UG/KG	8270	KB	1400	08/17/95
3,3'-Dichlorobenzidine	45107	U 1300	UG/KG	8270	KB	1400	08/17/95
4,4'-DDD	45107	U 660	UG/KG	8270	KB	1400	08/17/95
4,4'-DDE	45107	U 660	UG/KG	8270	KB	1400	08/17/95
4,4'-DDT	45107	U 660	UG/KG	8270	KB	1400	08/17/95
4,6-Dinitro-2-Methylphenol	45107	U 3300	UG/KG	8270	KB	1400	08/17/95
4-Bromophenyl Phenyl Ether	45107	U 660	UG/KG	8270	KB	1400	08/17/95
4-Chloro-3-Methylphenol	45107	U 1300	UG/KG	8270	KB	1400	08/17/95
4-Chlorophenyl Phenyl Ether	45107	U 660	UG/KG	8270	KB	1400	08/17/95
4-Nitrophenol	45107	U 3300	UG/KG	8270	KB	1400	08/17/95
4-BHC	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Acenaphthene	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Acenaphthylene	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Aldrin	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Anthracene	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Aroclor-1016	45107	U 660	UG/KG	8270	KB	1400	08/17/95

DHRS # 82315

Southeastern Environmental  
Laboratories, Inc.  
80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

DHRS E-82179

CQAP #880633G

EPARTMENT OF PUBLIC UTILITIES  
OLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
ACKSONVILLE, FL 32202-3156  
TTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP SITE  
SUBMISSION NUMBER: 9508000035  
REPORTED DATE: 08/22/95  
INVOICE NUMBER: 5824

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST		
					INITIAL	TIME	DATE
Aroclor-1221	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Aroclor-1232	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Aroclor-1242	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Aroclor-1248	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Aroclor-1254	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Aroclor-1260	45107	U 660	UG/KG	8270	KB	1400	08/17/95
B-BHC	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Benzidine	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Benzo(A)Anthracene	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Benzo(A)Pyrene	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Benzo(B)Fluoranthene	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Benzo(G,H,I)Perylene	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Benzo(K)Fluoranthene	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Bis(2-Chloroethoxy)Methane	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Bis(2-Chloroethyl)Ether	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Bis(2-Chloroisopropyl)Ether	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Bis(2-Ethylhexyl)Phthalate	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Butyl Benzyl Phthalate	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Chlordane	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Chrysene	45107	U 660	UG/KG	8270	KB	1400	08/17/95
D-BHC	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Di-N-Butylphthalate	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Di-N-Octylphthalate	45107	U 660	UG/KG	8270	KB	1400	08/17/95
benz(A,H)Anthracene	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Dieldrin	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Diethylphthalate	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Dimethylphthalate	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Endosulfan I	45107	U 660	UG/KG	8270	KB	1400	08/17/95

DHRS # 82315

Southeastern Environmental  
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DHRS E-82179

CQAP #880633G

EPARTMENT OF PUBLIC UTILITIES  
OLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
ACKSONVILLE, FL 32202-3156  
ITN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP SITE  
SUBMISSION NUMBER: 9508000035  
REPORTED DATE: 08/22/95  
INVOICE NUMBER: 5824

PARAMETER	DESCRIPTION				SAMPLE ID		
	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST	INITIAL	TIME
ndosulfan II	45107	U 660	UG/KG	8270	KB	1400	08/17/95
ndosulfan Sulfate	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Endrin Aldehyde	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Endrin	45107	U 660	UG/KG	8270	KB	1400	08/17/95
luoranthene	45107	U 660	UG/KG	8270	KB	1400	08/17/95
rfluorene	45107	U 660	UG/KG	8270	KB	1400	08/17/95
G-BHC (Lindane)	45107	U 660	UG/KG	8270	KB	1400	08/17/95
eptachlor Epoxide	45107	U 660	UG/KG	8270	KB	1400	08/17/95
eptachlor	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Hexachlorobenzene	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Hexachlorobutadiene	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Hexachlorocyclopentadiene	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Hexachloroethane	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Indeno(1,2,3-CD)Pyrene	45107	U 660	UG/KG	8270	KB	1400	08/17/95
sophorone	45107	U 660	UG/KG	8270	KB	1400	08/17/95
J-Nitroso-Di-N-Propylamine	45107	U 660	UG/KG	8270	KB	1400	08/17/95
N-Nitrosodimethylamine	45107	U 660	UG/KG	8270	KB	1400	08/17/95
J-Nitrosodiphenylamine	45107	U 660	UG/KG	8270	KB	1400	08/17/95
aphthalene	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Nitrobenzene	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Pentachlorophenol	45107	U 660	UG/KG	8270	KB	1400	08/17/95
henanthrene	45107	U 660	UG/KG	8270	KB	1400	08/17/95
enol	45107	U 660	UG/KG	8270	KB	1400	08/17/95
rene	45107	U 660	UG/KG	8270	KB	1400	08/17/95
oxaphene	45107	U 660	UG/KG	8270	KB	1400	08/17/95
,2,4,5-Tetrachlorobenzene	45107	U 660	UG/KG	8270	KB	1400	08/17/95
1,2-Diphenylhydrazine	45107	U 660	UG/KG	8270	KB	1400	08/17/95
-Chloronaphthalene	45107	U 660	UG/KG	8270	KB	1400	08/17/95

DHRS # 82315

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DHRS E-82179

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: 80099071 PROJECT NAME: BROWNS DUMP SITE  
SUBMISSION NUMBER: 9508000035  
REPORTED DATE: 08/22/95  
INVOICE NUMBER: 5824

DESCRIPTION	SAMPLE ID
SS-2 SOIL	
SAMPLE DATE: 08/01/95	

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
1-Naphthylamine	45107	U 660	UG/KG	8270	KB	1400	08/17/95
1,3,4,6-Tetrachlorophenol	45107	U 660	UG/KG	8270	KB	1400	08/17/95
2,4,5-Trichlorophenol	45107	U 660	UG/KG	8270	KB	1400	08/17/95
2,6-Dichlorophenol	45107	U 660	UG/KG	8270	KB	1400	08/17/95
1-Methylnaphthalene	45107	U 660	UG/KG	8270	KB	1400	08/17/95
2-Methylphenol	45107	U 660	UG/KG	8270	KB	1400	08/17/95
2-Naphthylamine	45107	U 660	UG/KG	8270	KB	1400	08/17/95
1-Nitroaniline	45107	U 660	UG/KG	8270	KB	1400	08/17/95
2-Picoline	45107	U 660	UG/KG	8270	KB	1400	08/17/95
3-Methylcholanthrene	45107	U 660	UG/KG	8270	KB	1400	08/17/95
3-Nitroaniline	45107	U 660	UG/KG	8270	KB	1400	08/17/95
1-Aminobiphenyl	45107	U 660	UG/KG	8270	KB	1400	08/17/95
4-Chloroaniline	45107	U 660	UG/KG	8270	KB	1400	08/17/95
4-Nitroaniline	45107	U 660	UG/KG	8270	KB	1400	08/17/95
1,12-Dimethylbenzo(A)Anthracene	45107	U 660	UG/KG	8270	KB	1400	08/17/95
A-A-Dimethylphenethylamine	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Acetophenone	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Aniline	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Benzoic Acid	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Benzyl Alcohol	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Dibenz(A,J)Acridine	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Dibenzofuran	45107	U 660	UG/KG	8270	KB	1400	08/17/95
N-phenylamine	45107	U 660	UG/KG	8270	KB	1400	08/17/95
ethyl Methanesulfonate	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Methoxychlor	45107	U 660	UG/KG	8270	KB	1400	08/17/95
Methyl Methanesulfonate	45107	U 660	UG/KG	8270	KB	1400	08/17/95
N-Nitroso-Di-N-Butylamine	45107	U 660	UG/KG	8270	KB	1400	08/17/95
N-Nitrosopiperidine	45107	U 660	UG/KG	8270	KB	1400	08/17/95

DHRS # 82315

DHRS E-82179

Southeastern Environmental  
Laboratories, Inc.  
80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
LTTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP SITE  
SUBMISSION NUMBER: 9508000035  
REPORTED DATE: 08/22/95  
INVOICE NUMBER: 5824

DESCRIPTION					SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST	INITIAL	TIME	DATE
P-Dimethylaminoazobenzene	45107	U 660	UG/KG	8270	KB		1400	08/17/95
Pentachlorobenzene	45107	U 660	UG/KG	8270	KB		1400	08/17/95
Pentachloronitrobenzene	45107	U 660	UG/KG	8270	KB		1400	08/17/95
Phenacetin	45107	U 660	UG/KG	8270	KB		1400	08/17/95
Pronamide	45107	U 660	UG/KG	8270	KB		1400	08/17/95

DESCRIPTION					SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST	INITIAL	TIME	DATE
1,2,4-Trichlorobenzene	45112	U 660	UG/KG	8270	KB		1544	08/18/95
1,2-Dichlorobenzene	45112	U 660	UG/KG	8270	KB		1544	08/18/95
1,3-Dichlorobenzene	45112	U 660	UG/KG	8270	KB		1544	08/18/95
1,4-Dichlorobenzene	45112	U 660	UG/KG	8270	KB		1544	08/18/95
2,4,6-Trichlorophenol	45112	U 660	UG/KG	8270	KB		1544	08/18/95
2,4-Dichlorophenol	45112	U 660	UG/KG	8270	KB		1544	08/18/95
4-Dimethylphenol	45112	U 660	UG/KG	8270	KB		1544	08/18/95
2,4-Dinitrophenol	45112	U 3300	UG/KG	8270	KB		1544	08/18/95
2,4-Dinitrotoluene	45112	U 660	UG/KG	8270	KB		1544	08/18/95
2,6-Dinitrotoluene	45112	U 660	UG/KG	8270	KB		1544	08/18/95
2-Chloronaphthalene	45112	U 660	UG/KG	8270	KB		1544	08/18/95

DHRS # 82315

**Southeastern Environmental  
Laboratories, Inc.**  
**80 Industrial Loop North, Building 5**  
**Orange Park, FL 32073**  
**(904) 269-6176**

DHRS E-82179

CQAP #880633G

EPARTMENT OF PUBLIC UTILITIES  
 OLID WASTE DIVISION  
 515 NORTH LAURA ST. 6TH FLOOR  
 ACKSONVILLE, FL 32202-3156  
 ITN: LARY PERKINS

SAMPLED BY: CLIENT  
 LIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP SITE  
 SUBMISSION NUMBER: 9508000035  
 REPORTED DATE: 08/22/95  
 INVOICE NUMBER: 5824

DESCRIPTION	SAMPLE ID
SS-3 DUP SOIL	
SAMPLE DATE: 08/01/95	

RAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
^-Chlorophenol	45112	U 660	UG/KG	8270	KB	1544	08/18/95
-Nitrophenol	45112	U 660	UG/KG	8270	KB	1544	08/18/95
3,3'-Dichlorobenzidine	45112	U 1300	UG/KG	8270	KB	1544	08/18/95
4,4'-DDD	45112	U 660	UG/KG	8270	KB	1544	08/18/95
,4'-DDE	45112	U 660	UG/KG	8270	KB	1544	08/18/95
,4'-DDT	45112	U 660	UG/KG	8270	KB	1544	08/18/95
4,6-Dinitro-2-Methylphenol	45112	U 3300	UG/KG	8270	KB	1544	08/18/95
-Bromophenyl Phenyl Ether	45112	U 660	UG/KG	8270	KB	1544	08/18/95
-Chloro-3-Methylphenol	45112	U 1300	UG/KG	8270	KB	1544	08/18/95
4-Chlorophenyl Phenyl Ether	45112	U 660	UG/KG	8270	KB	1544	08/18/95
^-Nitrophenol	45112	U 3300	UG/KG	8270	KB	1544	08/18/95
-BHC	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Acenaphthene	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Acenaphthylene	45112	U 660	UG/KG	8270	KB	1544	08/18/95
ldrin	45112	U 660	UG/KG	8270	KB	1544	08/18/95
nthracene	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Aroclor-1016	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Aroclor-1221	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Aroclor-1232	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Aroclor-1242	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Aroclor-1248	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Aroclor-1254	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Aroclor-1260	45112	U 660	UG/KG	8270	KB	1544	08/18/95
HC	45112	U 660	UG/KG	8270	KB	1544	08/18/95
enidine	45112	U 660	UG/KG	8270	KB	1544	08/18/95
enzo(A)Anthracene	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Benzo(A)Pyrene	45112	U 660	UG/KG	8270	KB	1544	08/18/95
enzo(B)Fluoranthene	45112	U 660	UG/KG	8270	KB	1544	08/18/95

Southeastern Environmental  
Laboratories, Inc.

DHRS # 82315

80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

DHRS E-82179

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP SITE  
SUBMISSION NUMBER: 9508000035  
REPORTED DATE: 08/22/95  
INVOICE NUMBER: 5824

PARAMETER	ORDER NUMBER	DESCRIPTION			ANALYST INITIAL	SAMPLE ID	
		RESULT	UNITS	METHOD		TIME	DATE
Phenzo(G,H,I)Perylene	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Phenzo(K)Fluoranthene	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Bis(2-Chloroethoxy)Methane	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Bis(2-Chloroethyl)Ether	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Diis(2-Chloroisopropyl)Ether	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Diis(2-Ethylhexyl)Phthalate	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Butyl Benzyl Phthalate	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Chlordane	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Chrysene	45112	U 660	UG/KG	8270	KB	1544	08/18/95
D-BHC	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Di-N-Butylphthalate	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Di-N-Octylphthalate	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Dibenz(A,H)Anthracene	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Dieeldrin	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Diethylphthalate	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Dimethylphthalate	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Endosulfan I	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Endosulfan II	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Endosulfan Sulfate	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Endrin Aldehyde	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Endrin	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Fluoranthene	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Fluorene	45112	U 660	UG/KG	8270	KB	1544	08/18/95
-BHC (Lindane)	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Heptachlor Epoxide	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Heptachlor	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Hexachlorobenzene	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Hexachlorobutadiene	45112	U 660	UG/KG	8270	KB	1544	08/18/95

DHRS # 82315

Southeastern Environmental  
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80 Industrial Loop North, Building 5  
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(904) 269-6176

DHRS E-82179

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
OLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
TTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP SITE  
SUBMISSION NUMBER: 9508000035  
REPORTED DATE: 08/22/95  
INVOICE NUMBER: 5824

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST		
					INITIAL	TIME	DATE
Hexachlorocyclopentadiene	45112	U 660	UG/KG	8270	KB	1544	08/18/95
exachloroethane	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Indeno(1,2,3-CD)Pyrene	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Isophorone	45112	U 660	UG/KG	8270	KB	1544	08/18/95
-Nitroso-Di-N-Propylamine	45112	U 660	UG/KG	8270	KB	1544	08/18/95
-Nitrosodimethylamine	45112	U 660	UG/KG	8270	KB	1544	08/18/95
N-Nitrosodiphenylamine	45112	U 660	UG/KG	8270	KB	1544	08/18/95
"aphthalene	45112	U 660	UG/KG	8270	KB	1544	08/18/95
itrobenzene	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Pentachlorophenol	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Phenanthrene	45112	U 660	UG/KG	8270	KB	1544	08/18/95
henol	45112	U 660	UG/KG	8270	KB	1544	08/18/95
ryrene	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Toxaphene	45112	U 660	UG/KG	8270	KB	1544	08/18/95
,2,4,5-Tetrachlorobenzene	45112	U 660	UG/KG	8270	KB	1544	08/18/95
,2-Diphenylhydrazine	45112	U 660	UG/KG	8270	KB	1544	08/18/95
1-Chloronaphthalene	45112	U 660	UG/KG	8270	KB	1544	08/18/95
1-Naphthylamine	45112	U 660	UG/KG	8270	KB	1544	08/18/95
,3,4,6-Tetrachlorophenol	45112	U 660	UG/KG	8270	KB	1544	08/18/95
,4,5-Trichlorophenol	45112	U 660	UG/KG	8270	KB	1544	08/18/95
2,6-Dichlorophenol	45112	U 660	UG/KG	8270	KB	1544	08/18/95
-Methylnaphthalene	45112	U 660	UG/KG	8270	KB	1544	08/18/95
-Methylphenol	45112	U 660	UG/KG	8270	KB	1544	08/18/95
'aphthylamine	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Nitroaniline	45112	U 660	UG/KG	8270	KB	1544	08/18/95
-Picoline	45112	U 660	UG/KG	8270	KB	1544	08/18/95
3-Methylcholanthrene	45112	U 660	UG/KG	8270	KB	1544	08/18/95
3-Nitroaniline	45112	U 660	UG/KG	8270	KB	1544	08/18/95

DHRS # 82315

Southeastern Environmental  
Laboratories, Inc.  
80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

DHRS E-82179

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
OLID WASTE DIVISION  
15 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
TTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP SITE  
SUBMISSION NUMBER: 9508000035  
REPORTED DATE: 08/22/95  
INVOICE NUMBER: 5824

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	SAMPLE ID		
					INITIAL	TIME	DATE
4-Aminobiphenyl	45112	U 660	UG/KG	8270	KB	1544	08/18/95
-Chloroaniline	45112	U 660	UG/KG	8270	KB	1544	08/18/95
-Nitroaniline	45112	U 660	UG/KG	8270	KB	1544	08/18/95
7,12-Dimethylbenzo(A)Anthracene	45112	U 660	UG/KG	8270	KB	1544	08/18/95
-A-Dimethylphenethylamine	45112	U 660	UG/KG	8270	KB	1544	08/18/95
cetophenone	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Aniline	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Benzoic Acid	45112	U 660	UG/KG	8270	KB	1544	08/18/95
enzy1 Alcohol	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Bibenz(A,J)Acridine	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Dibenzofuran	45112	U 660	UG/KG	8270	KB	1544	08/18/95
iphenylamine	45112	U 660	UG/KG	8270	KB	1544	08/18/95
thyl Methanesulfonate	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Methoxychlor	45112	U 660	UG/KG	8270	KB	1544	08/18/95
ethyl Methanesulfonate	45112	U 660	UG/KG	8270	KB	1544	08/18/95
-Nitroso-Di-N-Butylamine	45112	U 660	UG/KG	8270	KB	1544	08/18/95
N-Nitrosopiperidine	45112	U 660	UG/KG	8270	KB	1544	08/18/95
P-Dimethylaminoazobenzene	45112	U 660	UG/KG	8270	KB	1544	08/18/95
entachlorobenzene	45112	U 660	UG/KG	8270	KB	1544	08/18/95
.entachloronitrobenzene	45112	U 660	UG/KG	8270	KB	1544	08/18/95
Phenacetin	45112	U 660	UG/KG	8270	KB	1544	08/18/95
ronamide	45112	U 660	UG/KG	8270	KB	1544	08/18/95

**Southeastern Environmental  
Laboratories, Inc.**  
**80 Industrial Loop North, Building 5**  
**Orange Park, FL 32073**  
**(904) 269-6176**

DHRS # 82315

DHRS E-82179

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
 SOLID WASTE DIVISION  
 515 NORTH LAURA ST. 6TH FLOOR  
 JACKSONVILLE, FL 32202-3156  
 ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
 CLIENT JOB/PO NUMBER: B0099071  
 SUBMISSION NUMBER: 9508000035  
 REPORTED DATE: 08/22/95  
 INVOICE NUMBER: 5824

PROJECT NAME: BROWNS DUMP SITE

DESCRIPTION	SAMPLE ID
'SS-3 SOIL	

SAMPLE DATE: 08/01/95

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
1,2,4-Trichlorobenzene	45108	U 660	UG/KG	8270	KB	1538	08/17/95
,2-Dichlorobenzene	45108	U 660	UG/KG	8270	KB	1538	08/17/95
,3-Dichlorobenzene	45108	U 660	UG/KG	8270	KB	1538	08/17/95
1,4-Dichlorobenzene	45108	U 660	UG/KG	8270	KB	1538	08/17/95
,4,6-Trichlorophenol	45108	U 660	UG/KG	8270	KB	1538	08/17/95
,4-Dichlorophenol	45108	U 660	UG/KG	8270	KB	1538	08/17/95
2,4-Dimethylphenol	45108	U 660	UG/KG	8270	KB	1538	08/17/95
2,4-Dinitrophenol	45108	U 3300	UG/KG	8270	KB	1538	08/17/95
,4-Dinitrotoluene	45108	U 660	UG/KG	8270	KB	1538	08/17/95
2,6-Dinitrotoluene	45108	U 660	UG/KG	8270	KB	1538	08/17/95
2-Chloronaphthalene	45108	U 660	UG/KG	8270	KB	1538	08/17/95
-Chlorophenol	45108	U 660	UG/KG	8270	KB	1538	08/17/95
-Nitrophenol	45108	U 660	UG/KG	8270	KB	1538	08/17/95
3,3'-Dichlorobenzidine	45108	U 1300	UG/KG	8270	KB	1538	08/17/95
1,4'-DDD	45108	U 660	UG/KG	8270	KB	1538	08/17/95
1,4'-DDE	45108	U 660	UG/KG	8270	KB	1538	08/17/95
4,4'-DDT	45108	U 660	UG/KG	8270	KB	1538	08/17/95
4,6-Dinitro-2-Methylphenol	45108	U 3300	UG/KG	8270	KB	1538	08/17/95
-Bromophenyl Phenyl Ether	45108	U 660	UG/KG	8270	KB	1538	08/17/95
-Chloro-3-Methylphenol	45108	U 1300	UG/KG	8270	KB	1538	08/17/95
4-Chlorophenyl Phenyl Ether	45108	U 660	UG/KG	8270	KB	1538	08/17/95
-Nitrophenol	45108	U 3300	UG/KG	8270	KB	1538	08/17/95
-BHC	45108	U 660	UG/KG	8270	KB	1538	08/17/95
-naphthene	45108	U 660	UG/KG	8270	KB	1538	08/17/95
-naphthylene	45108	U 660	UG/KG	8270	KB	1538	08/17/95
Dieldrin	45108	U 660	UG/KG	8270	KB	1538	08/17/95
Anthracene	45108	U 660	UG/KG	8270	KB	1538	08/17/95
Aroclor-1016	45108	U 660	UG/KG	8270	KB	1538	08/17/95

DHRS # 82315

DHRS E-82179

**Southeastern Environmental  
Laboratories, Inc.**  
**80 Industrial Loop North, Building 5**  
**Orange Park, FL 32073**  
**(904) 269-6176**

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
 SOLID WASTE DIVISION  
 515 NORTH LAURA ST. 6TH FLOOR  
 JACKSONVILLE, FL 32202-3156  
 TTN: LARY PERKINS

SAMPLED BY: CLIENT  
 CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP SITE  
 SUBMISSION NUMBER: 9508000035  
 REPORTED DATE: 08/22/95  
 INVOICE NUMBER: 5824

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST		
					INITIAL	TIME	DATE
Aroclor-1221	45108	U 660	UG/KG	8270	KB	1538	08/17/95
Aroclor-1232	45108	U 660	UG/KG	8270	KB	1538	08/17/95
Aroclor-1242	45108	U 660	UG/KG	8270	KB	1538	08/17/95
Aroclor-1248	45108	U 660	UG/KG	8270	KB	1538	08/17/95
Aroclor-1254	45108	U 660	UG/KG	8270	KB	1538	08/17/95
Aroclor-1260	45108	U 660	UG/KG	8270	KB	1538	08/17/95
B-BHC	45108	U 660	UG/KG	8270	KB	1538	08/17/95
Benzidine	45108	U 660	UG/KG	8270	KB	1538	08/17/95
benzo(A)Anthracene	45108	U 660	UG/KG	8270	KB	1538	08/17/95
benzo(A)Pyrene	45108	U 660	UG/KG	8270	KB	1538	08/17/95
Benzo(B)Fluoranthene	45108	U 660	UG/KG	8270	KB	1538	08/17/95
benzo(G,H,I)Perylene	45108	U 660	UG/KG	8270	KB	1538	08/17/95
benzo(K)Fluoranthene	45108	U 660	UG/KG	8270	KB	1538	08/17/95
Bis(2-Chloroethoxy)Methane	45108	U 660	UG/KG	8270	KB	1538	08/17/95
bis(2-Chloroethyl)Ether	45108	U 660	UG/KG	8270	KB	1538	08/17/95
bis(2-Chloroisopropyl)Ether	45108	U 660	UG/KG	8270	KB	1538	08/17/95
Bis(2-Ethylhexyl)Phthalate	45108	U 660	UG/KG	8270	KB	1538	08/17/95
Butyl Benzyl Phthalate	45108	U 660	UG/KG	8270	KB	1538	08/17/95
chlorane	45108	U 660	UG/KG	8270	KB	1538	08/17/95
chrysene	45108	U 660	UG/KG	8270	KB	1538	08/17/95
D-BHC	45108	U 660	UG/KG	8270	KB	1538	08/17/95
i-N-Butylphthalate	45108	U 660	UG/KG	8270	KB	1538	08/17/95
i-N-Octylphthalate	45108	U 660	UG/KG	8270	KB	1538	08/17/95
benz(A,H)Anthracene	45108	U 660	UG/KG	8270	KB	1538	08/17/95
eldrin	45108	U 660	UG/KG	8270	KB	1538	08/17/95
ethylphthalate	45108	U 660	UG/KG	8270	KB	1538	08/17/95
Dimethylphthalate	45108	U 660	UG/KG	8270	KB	1538	08/17/95
Endosulfan I	45108	U 660	UG/KG	8270	KB	1538	08/17/95

**Southeastern Environmental  
Laboratories, Inc.**  
**80 Industrial Loop North, Building 5**  
**Orange Park, FL 32073**  
**(904) 269-6176**

DHRS # 82315

DHRS E-82179

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
 SOLID WASTE DIVISION  
 515 NORTH LAURA ST. 6TH FLOOR  
 JACKSONVILLE, FL 32202-3156  
 TTN: LARY PERKINS

SAMPLED BY: CLIENT  
 CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP SITE  
 SUBMISSION NUMBER: 9508000035  
 REPORTED DATE: 08/22/95  
 INVOICE NUMBER: 5824

PARAMETER	ORDER NUMBER	DESCRIPTION		METHOD	SAMPLE ID		
		RESULT	UNITS		INITIAL	TIME	DATE
Endosulfan II	45108	U 660	UG/KG	8270	KB	1538	08/17/95
ndosulfan Sulfate	45108	U 660	UG/KG	8270	KB	1538	08/17/95
ndrin Aldehyde	45108	U 660	UG/KG	8270	KB	1538	08/17/95
Endrin	45108	U 660	UG/KG	8270	KB	1538	08/17/95
luoranthene	45108	U 660	UG/KG	8270	KB	1538	08/17/95
luorene	45108	U 660	UG/KG	8270	KB	1538	08/17/95
G-BHC (Lindane)	45108	U 660	UG/KG	8270	KB	1538	08/17/95
Eptachlor Epoxide	45108	U 660	UG/KG	8270	KB	1538	08/17/95
eptachlor	45108	U 660	UG/KG	8270	KB	1538	08/17/95
hexachlorobenzene	45108	U 660	UG/KG	8270	KB	1538	08/17/95
Hexachlorobutadiene	45108	U 660	UG/KG	8270	KB	1538	08/17/95
exachlorocyclopentadiene	45108	U 660	UG/KG	8270	KB	1538	08/17/95
exachloroethane	45108	U 660	UG/KG	8270	KB	1538	08/17/95
Indeno(1,2,3-CD)Pyrene	45108	U 660	UG/KG	8270	KB	1538	08/17/95
-sophorone	45108	U 660	UG/KG	8270	KB	1538	08/17/95
-Nitroso-Di-N-Propylamine	45108	U 660	UG/KG	8270	KB	1538	08/17/95
N-Nitrosodimethylamine	45108	U 660	UG/KG	8270	KB	1538	08/17/95
N-Nitrosodiphenylamine	45108	U 660	UG/KG	8270	KB	1538	08/17/95
aphthalene	45108	U 660	UG/KG	8270	KB	1538	08/17/95
nitrobenzene	45108	U 660	UG/KG	8270	KB	1538	08/17/95
Pentachlorophenol	45108	U 660	UG/KG	8270	KB	1538	08/17/95
benanthrene	45108	U 660	UG/KG	8270	KB	1538	08/17/95
henol	45108	U 660	UG/KG	8270	KB	1538	08/17/95
rene	45108	U 660	UG/KG	8270	KB	1538	08/17/95
xaphene	45108	U 660	UG/KG	8270	KB	1538	08/17/95
,2,4,5-Tetrachlorobenzene	45108	U 660	UG/KG	8270	KB	1538	08/17/95
1,2-Diphenylhydrazine	45108	U 660	UG/KG	8270	KB	1538	08/17/95
1-Chloronaphthalene	45108	U 660	UG/KG	8270	KB	1538	08/17/95

DHRS # 82315

**Southeastern Environmental  
Laboratories, Inc.**  
**80 Industrial Loop North, Building 5**  
**Orange Park, FL 32073**  
**(904) 269-6176**

DHRS E-82179

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
 SOLID WASTE DIVISION  
 515 NORTH LAURA ST. 6TH FLOOR  
 JACKSONVILLE, FL 32202-3156  
 ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
 CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP SITE  
 SUBMISSION NUMBER: 9508000035  
 REPORTED DATE: 08/22/95  
 INVOICE NUMBER: 5824

PARAMETER	DESCRIPTION				SAMPLE ID		
	ORDER NUMBER	RESULT	UNITS	METHOD	INITIAL	TIME	DATE
1-Naphthylamine	45108	U 660	UG/KG	8270	KB	1538	08/17/95
1,3,4,6-Tetrachlorophenol	45108	U 660	UG/KG	8270	KB	1538	08/17/95
1,4,5-Trichlorophenol	45108	U 660	UG/KG	8270	KB	1538	08/17/95
2,6-Dichlorophenol	45108	U 660	UG/KG	8270	KB	1538	08/17/95
1-Methylnaphthalene	45108	U 660	UG/KG	8270	KB	1538	08/17/95
1-Methylphenol	45108	U 660	UG/KG	8270	KB	1538	08/17/95
2-Naphthylamine	45108	U 660	UG/KG	8270	KB	1538	08/17/95
2-Nitroaniline	45108	U 660	UG/KG	8270	KB	1538	08/17/95
1-Picoline	45108	U 660	UG/KG	8270	KB	1538	08/17/95
3-Methylcholanthrene	45108	U 660	UG/KG	8270	KB	1538	08/17/95
3-Nitroaniline	45108	U 660	UG/KG	8270	KB	1538	08/17/95
1-Aminobiphenyl	45108	U 660	UG/KG	8270	KB	1538	08/17/95
1-Chloroaniline	45108	U 660	UG/KG	8270	KB	1538	08/17/95
4-Nitroaniline	45108	U 660	UG/KG	8270	KB	1538	08/17/95
1,12-Dimethylbenzo(A)Anthracene	45108	U 660	UG/KG	8270	KB	1538	08/17/95
1-A-Dimethylphenethylamine	45108	U 660	UG/KG	8270	KB	1538	08/17/95
Acetophenone	45108	U 660	UG/KG	8270	KB	1538	08/17/95
Aniline	45108	U 660	UG/KG	8270	KB	1538	08/17/95
Benzoic Acid	45108	U 660	UG/KG	8270	KB	1538	08/17/95
Benzyl Alcohol	45108	U 660	UG/KG	8270	KB	1538	08/17/95
Dibenz(A,J)Acridine	45108	U 660	UG/KG	8270	KB	1538	08/17/95
1benzofuran	45108	U 660	UG/KG	8270	KB	1538	08/17/95
N-phenylamine	45108	U 660	UG/KG	8270	KB	1538	08/17/95
1-hyl Methanesulfonate	45108	U 660	UG/KG	8270	KB	1538	08/17/95
Chloroxychlor	45108	U 660	UG/KG	8270	KB	1538	08/17/95
Ethyl Methanesulfonate	45108	U 660	UG/KG	8270	KB	1538	08/17/95
N-Nitroso-Di-N-Butylamine	45108	U 660	UG/KG	8270	KB	1538	08/17/95
N-Nitrosopiperidine	45108	U 660	UG/KG	8270	KB	1538	08/17/95

**Southeastern Environmental  
Laboratories, Inc.**  
**80 Industrial Loop North, Building 5**  
**Orange Park, FL 32073**  
**(904) 269-6176**

DHRS # 82315

DHRS E-82179

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
 SOLID WASTE DIVISION  
 15 NORTH LAURA ST. 6TH FLOOR  
 JACKSONVILLE, FL 32202-3156  
 TTN: LARY PERKINS

SAMPLED BY: CLIENT  
 CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP SITE  
 SUBMISSION NUMBER: 9508000035  
 REPORTED DATE: 08/22/95  
 INVOICE NUMBER: 5824

DESCRIPTION	SAMPLE ID						
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
P-Dimethylaminoazobenzene	45108	U 660	UG/KG	8270	KB	1538	08/17/95
1,2-Dichlorobenzene	45108	U 660	UG/KG	8270	KB	1538	08/17/95
1,3-Dichlorobenzene	45108	U 660	UG/KG	8270	KB	1538	08/17/95
Phenacetin	45108	U 660	UG/KG	8270	KB	1538	08/17/95
Tronamide	45108	U 660	UG/KG	8270	KB	1538	08/17/95

DESCRIPTION	SAMPLE ID						
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
1,2,4-Trichlorobenzene	45109	U 660	UG/KG	8270	KB	1802	08/17/95
1,2-Dichlorobenzene	45109	U 660	UG/KG	8270	KB	1802	08/17/95
1,3-Dichlorobenzene	45109	U 660	UG/KG	8270	KB	1802	08/17/95
1,4-Dichlorobenzene	45109	U 660	UG/KG	8270	KB	1802	08/17/95
1,4,6-Trichlorophenol	45109	U 660	UG/KG	8270	KB	1802	08/17/95
1,4-Dichlorophenol	45109	U 660	UG/KG	8270	KB	1802	08/17/95
1,4-Dimethylphenol	45109	U 660	UG/KG	8270	KB	1802	08/17/95
4-Dinitrophenol	45109	U 3300	UG/KG	8270	KB	1802	08/17/95
4-Dinitrotoluene	45109	U 660	UG/KG	8270	KB	1802	08/17/95
1,6-Dinitrotoluene	45109	U 660	UG/KG	8270	KB	1802	08/17/95
2-Chloronaphthalene	45109	U 660	UG/KG	8270	KB	1802	08/17/95

DHRS # 82315

Southeastern Environmental  
Laboratories, Inc.  
80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

DHRS E-82179

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP SITE  
SUBMISSION NUMBER: 9508000035  
REPORTED DATE: 08/22/95  
INVOICE NUMBER: 5824

DESCRIPTION

SAMPLE ID

:SS-4 SOIL

SAMPLE DATE: 08/01/95

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
4-Chlorophenol	45109	U 660	UG/KG	8270	KB	1802	08/17/95
4-Nitrophenol	45109	U 660	UG/KG	8270	KB	1802	08/17/95
3,3'-Dichlorobenzidine	45109	U 1300	UG/KG	8270	KB	1802	08/17/95
4,4'-DDD	45109	U 660	UG/KG	8270	KB	1802	08/17/95
1,4'-DDE	45109	U 660	UG/KG	8270	KB	1802	08/17/95
4,4'-DDT	45109	U 660	UG/KG	8270	KB	1802	08/17/95
4,6-Dinitro-2-Methylphenol	45109	U 3300	UG/KG	8270	KB	1802	08/17/95
4-Bromophenyl Phenyl Ether	45109	U 660	UG/KG	8270	KB	1802	08/17/95
4-Chloro-3-Methylphenol	45109	U 1300	UG/KG	8270	KB	1802	08/17/95
4-Chlorophenyl Phenyl Ether	45109	U 660	UG/KG	8270	KB	1802	08/17/95
4-Nitrophenol	45109	U 3300	UG/KG	8270	KB	1802	08/17/95
4-BHC	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Acenaphthene	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Acenaphthylene	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Aldrin	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Anthracene	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Aroclor-1016	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Aroclor-1221	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Aroclor-1232	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Aroclor-1242	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Aroclor-1248	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Aroclor-1254	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Aroclor-1260	45109	U 660	UG/KG	8270	KB	1802	08/17/95
-BHC	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Benzidine	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Benzo(A)Anthracene	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Benzo(A)Pyrene	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Benzo(B)Fluoranthene	45109	U 660	UG/KG	8270	KB	1802	08/17/95

DHRS # 82315

**Southeastern Environmental  
Laboratories, Inc.**  
**80 Industrial Loop North, Building 5**  
**Orange Park, FL 32073**  
**(904) 269-6176**

DHRS E-82179

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
 SOLID WASTE DIVISION  
 515 NORTH LAURA ST. 6TH FLOOR  
 JACKSONVILLE, FL 32202-3156  
 ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
 CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP SITE  
 SUBMISSION NUMBER: 9508000035  
 REPORTED DATE: 08/22/95  
 INVOICE NUMBER: 5824

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST		
					INITIAL	TIME	DATE
Benzo(G,H,I)Perylene	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Benzo(K)Fluoranthene	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Bis(2-Chloroethoxy)Methane	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Bis(2-Chloroethyl)Ether	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Bis(2-Chloroisopropyl)Ether	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Bis(2-Ethylhexyl)Phthalate	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Butyl Benzyl Phthalate	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Chlordane	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Chrysene	45109	U 660	UG/KG	8270	KB	1802	08/17/95
D-BHC	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Di-N-Butylphthalate	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Di-N-Octylphthalate	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Dibenz(A,H)Anthracene	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Dieldrin	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Diethylphthalate	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Dimethylphthalate	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Endosulfan I	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Endosulfan II	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Endosulfan Sulfate	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Endrin Aldehyde	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Endrin	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Fluoranthene	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Tluorene	45109	U 660	UG/KG	8270	KB	1802	08/17/95
-BHC (Lindane)	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Heptachlor Epoxide	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Heptachlor	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Hexachlorobenzene	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Hexachlorobutadiene	45109	U 660	UG/KG	8270	KB	1802	08/17/95

**Southeastern Environmental  
Laboratories, Inc.**

**DHRS # 82315**

**80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176**

**DHRS E-82179**

**CQAP #880633G**

**DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS**

**SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP SITE  
SUBMISSION NUMBER: 9508000035  
REPORTED DATE: 08/22/95  
INVOICE NUMBER: 5824**

<b>PARAMETER</b>	<b>DESCRIPTION</b>				<b>SAMPLE ID</b>		
	<b>ORDER NUMBER</b>	<b>RESULT</b>	<b>UNITS</b>	<b>METHOD</b>	<b>ANALYST</b>	<b>INITIAL</b>	<b>TIME</b>
Hexachlorocyclopentadiene	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Hexachloroethane	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Indeno(1,2,3-CD)Pyrene	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Isophorone	45109	U 660	UG/KG	8270	KB	1802	08/17/95
N-Nitroso-Di-N-Propylamine	45109	U 660	UG/KG	8270	KB	1802	08/17/95
N-Nitrosodimethylamine	45109	U 660	UG/KG	8270	KB	1802	08/17/95
N-Nitrosodiphenylamine	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Naphthalene	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Nitrobenzene	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Pentachlorophenol	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Phenanthrene	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Phenol	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Pyrene	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Toxaphene	45109	U 660	UG/KG	8270	KB	1802	08/17/95
1,2,4,5-Tetrachlorobenzene	45109	U 660	UG/KG	8270	KB	1802	08/17/95
1,2-Diphenylhydrazine	45109	U 660	UG/KG	8270	KB	1802	08/17/95
1-Chloronaphthalene	45109	U 660	UG/KG	8270	KB	1802	08/17/95
1-Naphthylamine	45109	U 660	UG/KG	8270	KB	1802	08/17/95
2,3,4,6-Tetrachlorophenol	45109	U 660	UG/KG	8270	KB	1802	08/17/95
2,4,5-Trichlorophenol	45109	U 660	UG/KG	8270	KB	1802	08/17/95
2,6-Dichlorophenol	45109	U 660	UG/KG	8270	KB	1802	08/17/95
2-Methylnaphthalene	45109	U 660	UG/KG	8270	KB	1802	08/17/95
2-Methylphenol	45109	U 660	UG/KG	8270	KB	1802	08/17/95
2-Naphthylamine	45109	U 660	UG/KG	8270	KB	1802	08/17/95
2-Nitroaniline	45109	U 660	UG/KG	8270	KB	1802	08/17/95
2-Picoline	45109	U 660	UG/KG	8270	KB	1802	08/17/95
3-Methylcholanthrene	45109	U 660	UG/KG	8270	KB	1802	08/17/95
3-Nitroaniline	45109	U 660	UG/KG	8270	KB	1802	08/17/95

DHRS # 82315

Southeastern Environmental  
Laboratories, Inc.  
80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

DHRS E-82179

CQAP #880633G

EPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
ACKSONVILLE, FL 32202-3156  
TTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP SITE  
SUBMISSION NUMBER: 9508000035  
REPORTED DATE: 08/22/95  
INVOICE NUMBER: 5824

DESCRIPTION

SAMPLE ID

SS-4 SOIL

SAMPLE DATE: 08/01/95

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
-Aminobiphenyl	45109	U 660	UG/KG	8270	KB	1802	08/17/95
-Chloroaniline	45109	U 660	UG/KG	8270	KB	1802	08/17/95
4-Nitroaniline	45109	U 660	UG/KG	8270	KB	1802	08/17/95
,12-Dimethylbenzo(A)Anthracene	45109	U 660	UG/KG	8270	KB	1802	08/17/95
1-A-Dimethylphenethylamine	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Acetophenone	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Aniline	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Benzoinic Acid	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Benzyl Alcohol	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Dibenz(A,J)Acridine	45109	U 660	UG/KG	8270	KB	1802	08/17/95
ibenzofuran	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Diphenylamine	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Ethyl Methanesulfonate	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Methoxychlor	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Methyl Methanesulfonate	45109	U 660	UG/KG	8270	KB	1802	08/17/95
N-Nitroso-Di-N-Butylamine	45109	U 660	UG/KG	8270	KB	1802	08/17/95
N-Nitrosopiperidine	45109	U 660	UG/KG	8270	KB	1802	08/17/95
,Dimethylaminoazobenzene	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Pentachlorobenzene	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Pentachloronitrobenzene	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Phenacetin	45109	U 660	UG/KG	8270	KB	1802	08/17/95
Pronamide	45109	U 660	UG/KG	8270	KB	1802	08/17/95

DHRS # 82315

Southeastern Environmental  
Laboratories, Inc.  
80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

DHRS E-82179

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP SITE  
SUBMISSION NUMBER: 9508000035  
REPORTED DATE: 08/22/95  
INVOICE NUMBER: 5824

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST		
					INITIAL	TIME	DATE
1,2,4-Trichlorobenzene	45110	U 660	UG/KG	8270	KB	2017	08/17/95
1,2-Dichlorobenzene	45110	U 660	UG/KG	8270	KB	2017	08/17/95
1,3-Dichlorobenzene	45110	U 660	UG/KG	8270	KB	2017	08/17/95
1,4-Dichlorobenzene	45110	U 660	UG/KG	8270	KB	2017	08/17/95
1,4,6-Trichlorophenol	45110	U 660	UG/KG	8270	KB	2017	08/17/95
2,4-Dichlorophenol	45110	U 660	UG/KG	8270	KB	2017	08/17/95
2,4-Dimethylphenol	45110	U 660	UG/KG	8270	KB	2017	08/17/95
2,4-Dinitrophenol	45110	U 3300	UG/KG	8270	KB	2017	08/17/95
2,4-Dinitrotoluene	45110	U 660	UG/KG	8270	KB	2017	08/17/95
2,6-Dinitrotoluene	45110	U 660	UG/KG	8270	KB	2017	08/17/95
2-Chloronaphthalene	45110	U 660	UG/KG	8270	KB	2017	08/17/95
2-Chlorophenol	45110	U 660	UG/KG	8270	KB	2017	08/17/95
2-Nitrophenol	45110	U 660	UG/KG	8270	KB	2017	08/17/95
3,3'-Dichlorobenzidine	45110	U 1300	UG/KG	8270	KB	2017	08/17/95
1,4'-DDD	45110	U 660	UG/KG	8270	KB	2017	08/17/95
1,4'-DDE	45110	U 660	UG/KG	8270	KB	2017	08/17/95
4,4'-DDT	45110	U 660	UG/KG	8270	KB	2017	08/17/95
1,6-Dinitro-2-Methylphenol	45110	U 3300	UG/KG	8270	KB	2017	08/17/95
4-Bromophenyl Phenyl Ether	45110	U 660	UG/KG	8270	KB	2017	08/17/95
4-Chloro-3-Methylphenol	45110	U 1300	UG/KG	8270	KB	2017	08/17/95
4-Chlorophenyl Phenyl Ether	45110	U 660	UG/KG	8270	KB	2017	08/17/95
4-Nitrophenol	45110	U 3300	UG/KG	8270	KB	2017	08/17/95
1-BHC	45110	U 660	UG/KG	8270	KB	2017	08/17/95
cenaphthene	45110	U 660	UG/KG	8270	KB	2017	08/17/95
acenaphthylene	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Aldrin	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Anthracene	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Aroclor-1016	45110	U 660	UG/KG	8270	KB	2017	08/17/95

DHRS # 82315

Southeastern Environmental  
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DHRS E-82179

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
TTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP SITE  
SUBMISSION NUMBER: 9508000035  
REPORTED DATE: 08/22/95  
INVOICE NUMBER: 5824

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST		
					INITIAL	TIME	DATE
Aroclor-1221	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Aroclor-1232	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Aroclor-1242	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Aroclor-1248	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Aroclor-1254	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Aroclor-1260	45110	U 660	UG/KG	8270	KB	2017	08/17/95
B-BHC	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Benzidine	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Benzo(A)Anthracene	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Benzo(A)Pyrene	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Benzo(B)Fluoranthene	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Benzo(G,H,I)Perylene	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Benzo(K)Fluoranthene	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Bis(2-Chloroethoxy)Methane	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Bis(2-Chloroethyl)Ether	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Bis(2-Chloroisopropyl)Ether	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Bis(2-Ethylhexyl)Phthalate	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Butyl Benzyl Phthalate	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Chlordane	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Chrysene	45110	U 660	UG/KG	8270	KB	2017	08/17/95
D-BHC	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Di-N-Butylphthalate	45110	U 660	UG/KG	8270	KB	2017	08/17/95
i-N-Octylphthalate	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Abenz(A,H)Anthracene	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Dieldrin	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Diethylphthalate	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Dimethylphthalate	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Endosulfan I	45110	U 660	UG/KG	8270	KB	2017	08/17/95

DHRS # 82315

**Southeastern Environmental  
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DHRS E-82179

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
 SOLID WASTE DIVISION  
 515 NORTH LAURA ST. 6TH FLOOR  
 JACKSONVILLE, FL 32202-3156  
 ITIN: LARY PERKINS

SAMPLED BY: CLIENT  
 CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP SITE  
 SUBMISSION NUMBER: 9508000035  
 REPORTED DATE: 08/22/95  
 INVOICE NUMBER: 5824

DESCRIPTION	SAMPLE ID
SS-5 SOIL	
SAMPLE DATE: 08/01/95	

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Endosulfan II	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Endosulfan Sulfate	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Endrin Aldehyde	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Endrin	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Fluoranthene	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Fluorene	45110	U 660	UG/KG	8270	KB	2017	08/17/95
G-BHC (Lindane)	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Heptachlor Epoxide	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Heptachlor	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Hexachlorobenzene	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Hexachlorobutadiene	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Hexachlorocyclopentadiene	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Hexachloroethane	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Indeno(1,2,3-CD)Pyrene	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Isophorone	45110	U 660	UG/KG	8270	KB	2017	08/17/95
N-Nitroso-Di-N-Propylamine	45110	U 660	UG/KG	8270	KB	2017	08/17/95
N-Nitrosodimethylamine	45110	U 660	UG/KG	8270	KB	2017	08/17/95
N-Nitrosodiphenylamine	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Naphthalene	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Nitrobenzene	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Pentachlorophenol	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Phenanthrene	45110	U 660	UG/KG	8270	KB	2017	08/17/95
phenol	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Pyrene	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Toxaphene	45110	U 660	UG/KG	8270	KB	2017	08/17/95
1,2,4,5-Tetrachlorobenzene	45110	U 660	UG/KG	8270	KB	2017	08/17/95
1,2-Diphenylhydrazine	45110	U 660	UG/KG	8270	KB	2017	08/17/95
-Chloronaphthalene	45110	U 660	UG/KG	8270	KB	2017	08/17/95

DHRS # 82315

DHRS E-82179

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DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP SITE  
SUBMISSION NUMBER: 9508000035  
REPORTED DATE: 08/22/95  
INVOICE NUMBER: 5824

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST		
					INITIAL	TIME	DATE
1-Naphthylamine	45110	U 660	UG/KG	8270	KB	2017	08/17/95
2,3,4,6-Tetrachlorophenol	45110	U 660	UG/KG	8270	KB	2017	08/17/95
2,4,5-Trichlorophenol	45110	U 660	UG/KG	8270	KB	2017	08/17/95
2,6-Dichlorophenol	45110	U 660	UG/KG	8270	KB	2017	08/17/95
1-Methylnaphthalene	45110	U 660	UG/KG	8270	KB	2017	08/17/95
2-Methylphenol	45110	U 660	UG/KG	8270	KB	2017	08/17/95
2-Naphthylamine	45110	U 660	UG/KG	8270	KB	2017	08/17/95
2-Nitroaniline	45110	U 660	UG/KG	8270	KB	2017	08/17/95
2-Picoline	45110	U 660	UG/KG	8270	KB	2017	08/17/95
3-Methylcholanthrene	45110	U 660	UG/KG	8270	KB	2017	08/17/95
3-Nitroaniline	45110	U 660	UG/KG	8270	KB	2017	08/17/95
4-Aminobiphenyl	45110	U 660	UG/KG	8270	KB	2017	08/17/95
4-Chloroaniline	45110	U 660	UG/KG	8270	KB	2017	08/17/95
4-Nitroaniline	45110	U 660	UG/KG	8270	KB	2017	08/17/95
7,12-Dimethylbenzo(A)Anthracene	45110	U 660	UG/KG	8270	KB	2017	08/17/95
A-A-Dimethylphenethylamine	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Acetophenone	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Aniline	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Benzoic Acid	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Benzyl Alcohol	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Dibenz(A,J)Acridine	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Dibenzofuran	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Diphenylamine	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Methyl Methanesulfonate	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Methoxychlor	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Methyl Methanesulfonate	45110	U 660	UG/KG	8270	KB	2017	08/17/95
N-Nitroso-Di-N-Butylamine	45110	U 660	UG/KG	8270	KB	2017	08/17/95
N-Nitrosopiperidine	45110	U 660	UG/KG	8270	KB	2017	08/17/95

**Southeastern Environmental  
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DHRS E-82179

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
 SOLID WASTE DIVISION  
 515 NORTH LAURA ST. 6TH FLOOR  
 JACKSONVILLE, FL 32202-3156  
 TTN: LARY PERKINS

SAMPLED BY: CLIENT  
 CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP SITE  
 SUBMISSION NUMBER: 9508000035  
 REPORTED DATE: 08/22/95  
 INVOICE NUMBER: 5824

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
o-Dimethylaminoazobenzene	45110	U 660	UG/KG	8270	KB	2017	08/17/95
entachlorobenzene	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Pentachloronitrobenzene	45110	U 660	UG/KG	8270	KB	2017	08/17/95
Phenacetin	45110	U 660	UG/KG	8270	KB	2017	08/17/95
ronamide	45110	U 660	UG/KG	8270	KB	2017	08/17/95

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
,,2,4-Trichlorobenzene	45111	U 660	UG/KG	8270	KB	2129	08/17/95
,,2-Dichlorobenzene	45111	U 660	UG/KG	8270	KB	2129	08/17/95
1,3-Dichlorobenzene	45111	U 660	UG/KG	8270	KB	2129	08/17/95
,,4-Dichlorobenzene	45111	U 660	UG/KG	8270	KB	2129	08/17/95
,,4,6-Trichlorophenol	45111	U 660	UG/KG	8270	KB	2129	08/17/95
, 4-Dichlorophenol	45111	U 660	UG/KG	8270	KB	2129	08/17/95
, -Dimethylphenol	45111	U 660	UG/KG	8270	KB	2129	08/17/95
,,4-Dinitrophenol	45111	U 3300	UG/KG	8270	KB	2129	08/17/95
,,4-Dinitrotoluene	45111	U 660	UG/KG	8270	KB	2129	08/17/95
2,6-Dinitrotoluene	45111	U 660	UG/KG	8270	KB	2129	08/17/95
?-Chloronaphthalene	45111	U 660	UG/KG	8270	KB	2129	08/17/95

## **Southeastern Environmental**

DHRS # 82315

**80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
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DHRS E-82179

**CQAP #880633G**

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP SITE  
SUBMISSION NUMBER: 9508000035  
REPORTED DATE: 08/22/95  
INVOICE NUMBER: 5824

DESCRIPTION	SAMPLE ID
SS-6 SOIL	

SAMPLE DATE: 08/01/95

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
-Chlorophenol	45111	U 660	UG/KG	8270	KB	2129	08/17/95
-Nitrophenol	45111	U 660	UG/KG	8270	KB	2129	08/17/95
3,3'-Dichlorobenzidine	45111	U 1300	UG/KG	8270	KB	2129	08/17/95
4,4'-DDD	45111	U 660	UG/KG	8270	KB	2129	08/17/95
,4'-DDE	45111	U 660	UG/KG	8270	KB	2129	08/17/95
,4'-DDT	45111	U 660	UG/KG	8270	KB	2129	08/17/95
4,6-Dinitro-2-Methylphenol	45111	U 3300	UG/KG	8270	KB	2129	08/17/95
-Bromophenyl Phenyl Ether	45111	U 660	UG/KG	8270	KB	2129	08/17/95
-Chloro-3-Methylphenol	45111	U 1300	UG/KG	8270	KB	2129	08/17/95
4-Chlorophenyl Phenyl Ether	45111	U 660	UG/KG	8270	KB	2129	08/17/95
-Nitrophenol	45111	U 3300	UG/KG	8270	KB	2129	08/17/95
-BHC	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Acenaphthene	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Acenaphthylene	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Heptachlor	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Anthracene	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Aroclor-1016	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Aroclor-1221	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Aroclor-1232	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Aroclor-1242	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Aroclor-1248	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Aroclor-1254	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Aroclor-1260	45111	U 660	UG/KG	8270	KB	2129	08/17/95
-BHC	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Benzidine	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Benzo(A)Anthracene	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Benzo(A)Pyrene	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Benzo(B)Fluoranthene	45111	U 660	UG/KG	8270	KB	2129	08/17/95

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CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
 SOLID WASTE DIVISION  
 515 NORTH LAURA ST. 6TH FLOOR  
 JACKSONVILLE, FL 32202-3156  
 TTN: LARY PERKINS

SAMPLED BY: CLIENT  
 CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP SITE  
 SUBMISSION NUMBER: 9508000035  
 REPORTED DATE: 08/22/95  
 INVOICE NUMBER: 5824

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	SAMPLE ID		
					INITIAL	TIME	DATE
benzo(G, H, I)Perylene	45111	U 660	UG/KG	8270	KB	2129	08/17/95
benzo(K)Fluoranthene	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Bis(2-Chloroethoxy)Methane	45111	U 660	UG/KG	8270	KB	2129	08/17/95
-bis(2-Chloroethyl)Ether	45111	U 660	UG/KG	8270	KB	2129	08/17/95
-bis(2-Chloroisopropyl)Ether	45111	U 660	UG/KG	8270	KB	2129	08/17/95
bis(2-Ethylhexyl)Phthalate	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Butyl Benzyl Phthalate	45111	U 660	UG/KG	8270	KB	2129	08/17/95
chlorodane	45111	U 660	UG/KG	8270	KB	2129	08/17/95
chromane	45111	U 660	UG/KG	8270	KB	2129	08/17/95
D-BHC	45111	U 660	UG/KG	8270	KB	2129	08/17/95
i-N-Butylphthalate	45111	U 660	UG/KG	8270	KB	2129	08/17/95
i-N-Octylphthalate	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Dibenz(A, H)Anthracene	45111	U 660	UG/KG	8270	KB	2129	08/17/95
ieldrin	45111	U 660	UG/KG	8270	KB	2129	08/17/95
diethylphthalate	45111	U 660	UG/KG	8270	KB	2129	08/17/95
dimethylphthalate	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Endosulfan I	45111	U 660	UG/KG	8270	KB	2129	08/17/95
ndosulfan II	45111	U 660	UG/KG	8270	KB	2129	08/17/95
ndosulfan Sulfate	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Endrin Aldehyde	45111	U 660	UG/KG	8270	KB	2129	08/17/95
ndrin	45111	U 660	UG/KG	8270	KB	2129	08/17/95
luoranthene	45111	U 660	UG/KG	8270	KB	2129	08/17/95
luorene	45111	U 660	UG/KG	8270	KB	2129	08/17/95
BHC (Lindane)	45111	U 660	UG/KG	8270	KB	2129	08/17/95
eptachlor Epoxide	45111	U 660	UG/KG	8270	KB	2129	08/17/95
eptachlor	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Hexachlorobenzene	45111	U 660	UG/KG	8270	KB	2129	08/17/95
exachlorobutadiene	45111	U 660	UG/KG	8270	KB	2129	08/17/95

**Southeastern Environmental  
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CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
ACKSONVILLE, FL 32202-3156  
TTN: LARY PERKINS

**SAMPLED BY:** CLIENT  
**CLIENT JOB/PO NUMBER:** B0099071      **PROJECT NAME:** BROWNS DUMP SITE  
**SUBMISSION NUMBER:** 9508000035  
**REPORTED DATE:** 08/22/95  
**INVOICE NUMBER:** 5824

DESCRIPTION	SAMPLE ID
SS-6 SOIL	
SAMPLE DATE: 08/01/95	

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Hexachlorocyclopentadiene	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Hexachloroethane	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Indeno(1,2,3-CD)Pyrene	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Isophorone	45111	U 660	UG/KG	8270	KB	2129	08/17/95
1-Nitroso-Di-N-Propylamine	45111	U 660	UG/KG	8270	KB	2129	08/17/95
N-Nitrosodimethylamine	45111	U 660	UG/KG	8270	KB	2129	08/17/95
N-Nitrosodiphenylamine	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Naphthalene	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Nitrobenzene	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Pentachlorophenol	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Phenanthrene	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Phenol	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Pyrene	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Toxaphene	45111	U 660	UG/KG	8270	KB	2129	08/17/95
1,2,4,5-Tetrachlorobenzene	45111	U 660	UG/KG	8270	KB	2129	08/17/95
1,2-Diphenylhydrazine	45111	U 660	UG/KG	8270	KB	2129	08/17/95
1-Chloronaphthalene	45111	U 660	UG/KG	8270	KB	2129	08/17/95
1-Naphthylamine	45111	U 660	UG/KG	8270	KB	2129	08/17/95
1,3,4,6-Tetrachlorophenol	45111	U 660	UG/KG	8270	KB	2129	08/17/95
2,4,5-Trichlorophenol	45111	U 660	UG/KG	8270	KB	2129	08/17/95
2,6-Dichlorophenol	45111	U 660	UG/KG	8270	KB	2129	08/17/95
1-Methylnaphthalene	45111	U 660	UG/KG	8270	KB	2129	08/17/95
-Methylphenol	45111	U 660	UG/KG	8270	KB	2129	08/17/95
-Naphthylamine	45111	U 660	UG/KG	8270	KB	2129	08/17/95
1-Nitroaniline	45111	U 660	UG/KG	8270	KB	2129	08/17/95
2-Picoline	45111	U 660	UG/KG	8270	KB	2129	08/17/95
3-Methylcholanthrene	45111	U 660	UG/KG	8270	KB	2129	08/17/95
1-Nitroaniline	45111	U 660	UG/KG	8270	KB	2129	08/17/95

DHRS # 82315

DHRS E-82179

**Southeastern Environmental  
Laboratories, Inc.**  
**80 Industrial Loop North, Building 5**  
**Orange Park, FL 32073**  
**(904) 269-6176**

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
 SOLID WASTE DIVISION  
 515 NORTH LAURA ST. 6TH FLOOR  
 JACKSONVILLE, FL 32202-3156  
 ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
 CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP SITE  
 SUBMISSION NUMBER: 9508000035  
 REPORTED DATE: 08/22/95  
 INVOICE NUMBER: 5824

PARAMETER	DESCRIPTION				SAMPLE ID		
	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
1-Aminobiphenyl	45111	U 660	UG/KG	8270	KB	2129	08/17/95
1-Chloroaniline	45111	U 660	UG/KG	8270	KB	2129	08/17/95
4-Nitroaniline	45111	U 660	UG/KG	8270	KB	2129	08/17/95
7,12-Dimethylbenzo(A)Anthracene	45111	U 660	UG/KG	8270	KB	2129	08/17/95
1-A-Dimethylphenethylamine	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Acetophenone	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Aniline	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Benzoic Acid	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Benzyl Alcohol	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Dibenz(A,J)Acridine	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Dibenzofuran	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Diphenylamine	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Ethyl Methanesulfonate	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Methoxychlor	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Methyl Methanesulfonate	45111	U 660	UG/KG	8270	KB	2129	08/17/95
N-Nitroso-Di-N-Butylamine	45111	U 660	UG/KG	8270	KB	2129	08/17/95
N-Nitrosopiperidine	45111	U 660	UG/KG	8270	KB	2129	08/17/95
P-Dimethylaminoazobenzene	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Pentachlorobenzene	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Pentachloronitrobenzene	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Phenacetin	45111	U 660	UG/KG	8270	KB	2129	08/17/95
Pronamide	45111	U 660	UG/KG	8270	KB	2129	08/17/95

DHRS # 82315

DHRS E-82179

**Southeastern Environmental  
Laboratories, Inc.**  
**80 Industrial Loop North, Building 5**  
**Orange Park, FL 32073**  
**(904) 269-6176**

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP SITE  
SUBMISSION NUMBER: 9508000035  
REPORTED DATE: 08/22/95  
INVOICE NUMBER: 5824

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST		
					INITIAL	TIME	
						DATE	
Mercury	45121	U 0.001	MG/L	245.1	LP	1500	08/10/95
Silver	45121	U 0.025	MG/L	272.1	TS	1130	08/09/95
Arsenic	45121	U 0.025	MG/L	6010	LC	1200	08/21/95
Barium	45121	U 0.1	MG/L	6010	LC	1600	08/19/95
Cadmium	45121	U 0.003	MG/L	6010	TS	1510	08/16/95
Chromium	45121	U 0.05	MG/L	6010	LC	1600	08/19/95
Lead	45121	0.005	MG/L	6010	TS	1510	08/16/95
Selenium	45121	U 0.025	MG/L	6010	LC	1600	08/19/95

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST		
					INITIAL	TIME	
						DATE	
Arsenic	45117	U 1.0	MG/KG	6010	LC	1730	08/09/95
Barium	45117	3.28	MG/KG	6010	LC	1600	08/14/95
Cadmium	45117	U 1.0	MG/KG	6010	LC	1730	08/09/95
Selenium	45117	U 1.0	MG/KG	6010	LC	1730	08/09/95
Chromium	45117	2.12	MG/KG	7190	TS	0900	08/10/95
Lead	45117	8.08	MG/KG	7420	TS	1500	08/09/95
Mercury	45117	U 0.5	MG/KG	7471	LP	1500	08/10/95
Silver	45117	U 1.0	MG/KG	7760	TS	1130	08/09/95

DHRS # 82315

DHRS E-82179

Southeastern Environmental  
Laboratories, Inc.  
80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP SITE  
SUBMISSION NUMBER: 9508000035  
REPORTED DATE: 08/22/95  
INVOICE NUMBER: 5824

PARAMETER	DESCRIPTION	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	SAMPLE ID TIME	DATE
Arsenic	IS-2 SOIL	45118	U 1.0	MG/KG	6010	LC	1730 08/09/95	
Barium		45118	2.94	MG/KG	6010	LC	1600 08/14/95	
Cadmium		45118	U 1.0	MG/KG	6010	LC	1730 08/09/95	
Selenium		45118	U 1.0	MG/KG	6010	LC	1730 08/09/95	
Chromium		45118	1.68	MG/KG	7190	TS	0900 08/10/95	
Lead		45118	5.40	MG/KG	7420	TS	1500 08/09/95	
Mercury		45118	U 0.5	MG/KG	7471	LP	1500 08/10/95	
Silver		45118	U 1.0	MG/KG	7760	TS	1130 08/09/95	

PARAMETER	DESCRIPTION	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	SAMPLE ID TIME	DATE
Arsenic	IS-3 SOIL	45119	U 1.0	MG/KG	6010	LC	1730 08/09/95	
Barium		45119	2.34	MG/KG	6010	LC	1600 08/14/95	
Cadmium		45119	U 1.0	MG/KG	6010	LC	1730 08/09/95	
Selenium		45119	U 1.0	MG/KG	6010	LC	1730 08/09/95	
Chromium		45119	1.68	MG/KG	7190	TS	0900 08/10/95	
Lead		45119	4.44	MG/KG	7420	TS	1500 08/09/95	
Mercury		45119	U 0.5	MG/KG	7471	LP	1500 08/10/95	
Silver		45119	U 1.0	MG/KG	7760	TS	1130 08/09/95	

**Southeastern Environmental**

**Laboratories, Inc.**

80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

DHRS # 82315

DHRS E-82179

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP SITE  
SUBMISSION NUMBER: 9508000035  
REPORTED DATE: 08/22/95  
INVOICE NUMBER: 5824

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	INITIAL	TIME	DATE
Arsenic	45120	1.76	MG/KG	6010	TS	0900	08/10/95
Barium	45120	1.99	MG/KG	6010	LC	1600	08/14/95
Cadmium	45120	U 1.0	MG/KG	6010	LC	1800	08/09/95
Selenium	45120	U 1.0	MG/KG	6010	LC	1800	08/09/95
Chromium	45120	1.76	MG/KG	7190	TS	0900	08/10/95
Lead	45120	4.54	MG/KG	7420	TS	1500	08/09/95
Mercury	45120	U 0.5	MG/KG	7471	LP	1500	08/10/95
Silver	45120	U 1.0	MG/KG	7760	TS	1130	08/09/95

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	INITIAL	TIME	DATE
Mercury	45113	U 0.001	MG/L	245.1	LP	1500	08/10/95
Silver	45113	U 0.025	MG/L	272.1	TS	1130	08/09/95
Arsenic	45113	U 0.025	MG/L	6010	LC	1930	08/17/95
Barium	45113	U 0.1	MG/L	6010	LC	1930	08/17/95
Cadmium	45113	U 0.003	MG/L	6010	TS	1445	08/16/95
Chromium	45113	U 0.05	MG/L	6010	LC	1930	08/17/95
Lead	45113	U 0.005	MG/L	6010	TS	1445	08/16/95
Selenium	45113	U 0.025	MG/L	6010	LC	1930	08/17/95

DHRS # 82315

DHRS E-82179

Southeastern Environmental  
Laboratories, Inc.  
80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

CQAP #880633G

EPARTMENT OF PUBLIC UTILITIES  
OLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
ACKSONVILLE, FL 32202-3156  
TTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP SITE  
SUBMISSION NUMBER: 9508000035  
REPORTED DATE: 08/22/95  
INVOICE NUMBER: 5824

PARAMETER	DESCRIPTION	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	SAMPLE ID TIME	DATE
Mercury	W-2 H2O	45114	U 0.001	MG/L	245.1	LP	1500	08/10/95
Silver		45114	U 0.025	MG/L	272.1	TS	1130	08/09/95
Arsenic		45114	U 0.025	MG/L	6010	LC	1930	08/17/95
Barium		45114	U 0.1	MG/L	6010	LC	1930	08/17/95
Lead		45114	U 0.003	MG/L	6010	TS	1445	08/16/95
Chromium		45114	U 0.05	MG/L	6010	LC	1930	08/17/95
Lead		45114	U 0.005	MG/L	6010	TS	1445	08/16/95
Selenium		45114	U 0.025	MG/L	6010	LC	1930	08/17/95

PARAMETER	DESCRIPTION	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	SAMPLE ID TIME	DATE
Mercury	W-3 H2O	45115	U 0.001	MG/L	245.1	LP	1500	08/10/95
Silver		45115	U 0.025	MG/L	272.1	TS	1130	08/09/95
Arsenic		45115	U 0.025	MG/L	6010	LC	1930	08/17/95
Barium		45115	U 0.1	MG/L	6010	LC	1930	08/17/95
Lead		45115	U 0.003	MG/L	6010	TS	1445	08/16/95
Chromium		45115	U 0.05	MG/L	6010	LC	1930	08/17/95
Lead		45115	U 0.005	MG/L	6010	TS	1445	08/16/95
Selenium		45115	U 0.025	MG/L	6010	LC	1930	08/17/95

DHRS # 82315

Southeastern Environmental  
Laboratories, Inc.

80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

DHRS E-82179

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP SITE  
SUBMISSION NUMBER: 9508000035  
REPORTED DATE: 08/22/95  
INVOICE NUMBER: 5824

PARAMETER	DESCRIPTION	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	SAMPLE ID TIME	DATE
Mercury	W-4 H2O	45116	U 0.001	MG/L	245.1	LP	1500	08/10/95
Silver		45116	U 0.025	MG/L	272.1	TS	1130	08/09/95
Arsenic		45116	U 0.025	MG/L	6010	LC	1945	08/17/95
Barium		45116	U 0.1	MG/L	6010	LC	1945	08/17/95
Cadmium		45116	U 0.003	MG/L	6010	TS	1445	08/16/95
Chromium		45116	U 0.05	MG/L	6010	LC	1930	08/17/95
Lead		45116	U 0.005	MG/L	6010	TS	1445	08/16/95
Selenium		45116	U 0.025	MG/L	6010	LC	1930	08/17/95

DHRS # 82315

Southeastern Environmental  
Laboratories, Inc.  
80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

DHRS E-82179

SOUTHEASTERN ENVIRONMENTAL LABORATORIES, INC.  
SUBMISSION RECEIVAL FORM

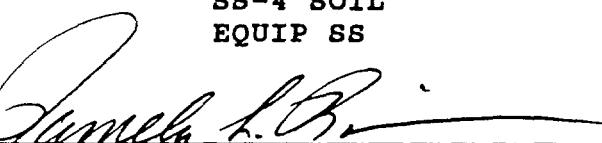
SUBMISSION #: 9508000035

DATE RECEIVED: 08/03/95

CLIENT NAME: DEPARTMENT OF PUBLIC UTILITIES

ORDER #	FIELD ID	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME
45103		62B SOIL	07/31/95	16:50
45104		63B SOIL	07/31/95	16:35
45105		63W SOIL	07/31/95	16:35
45106		CSS-1 SOIL	08/01/95	10:30
45107		CSS-2 SOIL	08/01/95	11:21
45108		CSS-3 SOIL	08/01/95	11:40
45109		CSS-4 SOIL	08/01/95	11:50
45110		CSS-5 SOIL	08/01/95	12:04
45111		CSS-6 SOIL	08/01/95	12:20
45112		CSS-3 DUP SOIL	08/01/95	11:40
45113		SW-1 H2O	08/01/95	09:30
45114		SW-2 H2O	08/01/95	09:50
45115		SW-3 H2O	08/01/95	10:10
45116		SW-4 H2O	08/01/95	10:25
45117		SS-1 SOIL	08/01/95	09:30
45118		SS-2 SOIL	08/01/95	09:50
45119		SS-3 SOIL	08/01/95	10:10
45120		SS-4 SOIL	08/01/95	10:25
45121		EQUIP SS	08/01/95	09:10

Approved By:

  
Pamela L. Rivers  
Laboratory Manager

Southeastern Environmental  
Laboratories, Inc.  
80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

# CH. 1 OF CUSTODY RECORD

Client: Duval County School Board

PROJECT DESCRIPTION Brown's Dump Site    ATTN: EMCON - Duval County School Board

NO. OF SAMPLE CONTAINERS

SAMPLER (SIGNATURE)

Chad E. Hef

95-8-35

ANALYSIS REQUEST  
Metals (PCP/Hg)

8270

Page 1 of 2

FIELD ID #	DATE	TIME (MILITARY)	SAMPLE DESCRIPTION	FT. DTW	COND.	TEMP.	pH	D.O.
62 B	7/31/95	1650	Soil	1 Sample				
63 B	7/31/95	1635	Soil	1 Sample				
63 W	7/31/95	1635	Soil	1 Sample				
CSS - 1	8/1/95	1030	Soil	1 Sample				
CSS - 2	8/1/95	1121	Soil	1 Sample				
CSS - 3	8/1/95	1140	Soil	1 Sample				
CSS - 4	8/1/95	1150	Soil	1 Sample				
CSS - 5	8/1/95	1204	Soil	1 Sample				
CSS - 6	8/1/95	1220	Soil	1 Sample				
CSS - 3 Dup	8/1/95	1140	Soil	1 Sample				
RELINQUISHED BY (SIGNATURE)	DATE	TIME (MILITARY)	RECEIVED BY (SIGNATURE)	DATE	TIME (MILITARY)	RELINQUISHED BY (SIGNATURE)	DATE	TIME (MILITARY)
Chad E. Hef	8/1/95	1410	Pawelchak	8/1/95	1056	Pawelchak	8/1/95	137
RELINQUISHED BY (SIGNATURE)	DATE	TIME (MILITARY)	RECEIVED BY (SIGNATURE)	DATE	TIME (MILITARY)	REMARKS:	DATE	TIME (MILITARY)

Southeastern Environmental  
Laboratories, Inc.  
80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

# CHAIN OF CUSTODY RECORD

Client: Duval County School Board

PROJECT DESCRIPTION Brown's Dump Site

ATTN: EMCON - Duval County School Board

NO. OF SAMPLE CONTAINERS

SAMPLER (SIGNATURE)

Chad E. Hilt

ANALYSIS REQUEST  
PCPA Metals  
00

Page 2 of 2

FIELD ID #	DATE	TIME (MILITARY)	SAMPLE DESCRIPTION	FT. DTW	COND.	TEMP.	pH	D.O.
SW-1	8/1/95	0930	H <sub>2</sub> O	1 sample				
SW-2	8/1/95	0950	H <sub>2</sub> O	1 sample				
SW-3	8/1/95	1010	H <sub>2</sub> O	1 sample				
SW-4	8/1/95	1025	H <sub>2</sub> O	1 sample				
SS-1	8/1/95	0930	Soil	1 sample				
SS-2	8/1/95	0950	Soil	1 sample				
SS-3	8/1/95	1010	Soil	1 sample				
SS-4	8/1/95	1025	Soil	1 sample				
EQ SS	8/1/95	0910	H <sub>2</sub> O	1 sample				

RELINQUISHED BY (SIGNATURE)	DATE	TIME (MILITARY)	RECEIVED BY (SIGNATURE)	DATE	TIME (MILITARY)	RELINQUISHED BY (SIGNATURE)	DATE	TIME (MILITARY)	RECEIVED BY (SIGNATURE)	DATE	TIME (MILITARY)
Chad E. Hilt	8/2/95	1410	Paul John	8/2/95	1030	Paul John	8/3/95	1137			
RELINQUISHED BY (SIGNATURE)	DATE	TIME (MILITARY)	RECEIVED BY (SIGNATURE)	DATE	TIME (MILITARY)	REMARKS:					

**Southeastern Environmental  
Laboratories, Inc.**

DHRS # 82315

80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

DHRS E-82179

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
 CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP SITE  
 SUBMISSION NUMBER: 9508000034  
 REPORTED DATE: 08/15/95  
 INVOICE NUMBER: 5788

DESCRIPTION	SAMPLE ID				
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL TIME DATE
PCB'S	45102	U 1 MG/KG	8080	KB	1933 08/10/95

DHRS # 82315

**Southeastern Environmental  
Laboratories, Inc.**  
80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

DHRS E-82179

**SOUTHEASTERN ENVIRONMENTAL LABORATORIES, INC.  
SUBMISSION RECEIVAL FORM**

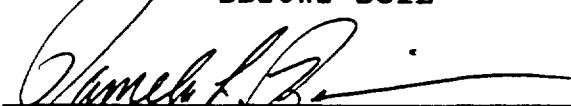
SUBMISSION #: 9508000034

DATE RECEIVED: 08/03/95

CLIENT NAME: DEPARTMENT OF PUBLIC UTILITIES

ORDER #	FIELD ID	SAMPLE DESCRIPTION
45102		SB20W2 SOIL

SAMPLE	SAMPLE
DATE	TIME
08/03/95	14:00

Approved By:   
Pamela L. Rivers  
Laboratory Manager

DHRS # 82315

Southeastern Environmental  
Laboratories, Inc.  
80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

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OCT 24 1995 DHRS E-82179  
EMCON

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: PROJECT NAME: BROWNS DUMP SITE  
SUBMISSION NUMBER: 9509000034  
REPORTED DATE: 09/15/95  
INVOICE NUMBER: 5966

DESCRIPTION	SAMPLE ID					
=====	=====	=====	=====	=====	=====	=====
SB-16A	=====	=====	=====	=====	=====	=====
SAMPLE DATE: 07/26/95	=====	=====	=====	=====	=====	=====
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME DATE
TCLP Barium	46998	1.07	MG/L	1311/6010	LC	1145 09/12/9
TCLP Cadmium	46998	U 0.5	MG/L	1311/6010	TS	1145 09/12/9
TCLP Chromium	46998	U 0.5	MG/L	1311/7190	TS	1530 09/13/9
TCLP Lead	46998	543	MG/L	1311/7420	LC	1645 09/13/9

DESCRIPTION	SAMPLE ID					
=====	=====	=====	=====	=====	=====	
SB-20W	=====	=====	=====	=====	=====	
SAMPLE DATE: 07/25/95	=====	=====	=====	=====	=====	=====
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME DATE
TCLP Barium	47004	U 0.5	MG/L	1311/6010	TS	1200 09/12/9
TCLP Cadmium	47004	U 0.5	MG/L	1311/6010	TS	1200 09/12/9
TCLP Chromium	47004	U 0.5	MG/L	1311/7190	TS	1200 09/12/9
TCLP Lead	47004	K 1.0	MG/L	1311/7420	LC	1645 09/13/9
TCLP Silver	47004	U 0.5	MG/L	1311/7760	TS	1515 09/13/9

**Southeastern Environmental  
Laboratories, Inc.**

**DHRS # 82315**

**80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176**

**DHRS E-82179**

**CQAP #880633G**

**DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS**

**SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: PROJECT NAME: BROWNS DUMP SITE  
SUBMISSION NUMBER: 9509000034  
REPORTED DATE: 09/15/95  
INVOICE NUMBER: 5966**

<b>DESCRIPTION</b>				<b>SAMPLE ID</b>		
<b>SB-26B</b>						
<b>SAMPLE DATE: 07/27/95</b>						
<b>PARAMETER</b>	<b>ORDER NUMBER</b>	<b>RESULT</b>	<b>UNITS</b>	<b>METHOD</b>	<b>ANALYST INITIAL</b>	<b>TIME DATE</b>
TCLP Barium	47007	2.33	MG/L	1311/6010	TS	1200 09/12/9
TCLP Cadmium	47007	U 0.5	MG/L	1311/6010	TS	1200 09/12/9
TCLP Chromium	47007	U 0.5	MG/L	1311/7190	TS	1530 09/13/9
TCLP Lead	47007	K 1.0	MG/L	1311/7420	LC	1645 09/13/9

<b>DESCRIPTION</b>				<b>SAMPLE ID</b>		
<b>SB-30W</b>						
<b>SAMPLE DATE: 07/27/95</b>						
<b>PARAMETER</b>	<b>ORDER NUMBER</b>	<b>RESULT</b>	<b>UNITS</b>	<b>METHOD</b>	<b>ANALYST INITIAL</b>	<b>TIME DATE</b>
TCLP Barium	46999	0.830	MG/L	1311/6010	LC	1145 09/12/9
TCLP Cadmium	46999	U 0.5	MG/L	1311/6010	TS	1145 09/12/9
TCLP Chromium	46999	U 0.5	MG/L	1311/7190	TS	1530 09/13/9
TCLP Lead	46999	1.69	MG/L	1311/7420	LC	1645 09/13/9
TCLP Mercury	46999	U 0.1	MG/L	1311/7470	LC	1630 09/12/9
TCLP Silver	46999	U 0.5	MG/L	1311/7760	TS	1515 09/13/9

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DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: PROJECT NAME: BROWNS DUMP SITE  
SUBMISSION NUMBER: 9509000034  
REPORTED DATE: 09/15/95  
INVOICE NUMBER: 5966

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	INITIAL	TIME	DATE
TCLP Barium	47001	1.83	MG/L	1311/6010	TS	1200	09/12/95
TCLP Cadmium	47001	U 0.5	MG/L	1311/6010	TS	1200	09/12/95
TCLP Chromium	47001	U 0.5	MG/L	1311/7190	TS	1530	09/13/95
TCLP Lead	47001	1.71	MG/L	1311/7420	LC	1645	09/13/95

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	INITIAL	TIME	DATE
TCLP Barium	47008	1.55	MG/L	1311/6010	TS	1200	09/12/95
TCLP Chromium	47008	U 0.5	MG/L	1311/7190	TS	1530	09/13/95
TCLP Lead	47008	K 1.0	MG/L	1311/7420	LC	1645	09/13/95

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DHRS E-82179

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: PROJECT NAME: BROWNS DUMP SITE  
SUBMISSION NUMBER: 9509000034  
REPORTED DATE: 09/15/95  
INVOICE NUMBER: 5966

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	INITIAL	TIME	DATE
TCLP Barium	47000	1.36	MG/L	1311/6010	TS	1200	09/12/95
TCLP Cadmium	47000	U 0.5	MG/L	1311/6010	TS	1200	09/12/95
TCLP Chromium	47000	U 0.5	MG/L	1311/7190	TS	1530	09/13/95
TCLP Lead	47000	K 1.0	MG/L	1311/7420	LC	1645	09/13/95
TCLP Silver	47000	U 0.5	MG/L	1311/7760	TS	1515	09/13/95

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	INITIAL	TIME	DATE
TCLP Barium	46997	1.58	MG/L	1311/6010	LC	1145	09/12/95
TCLP Chromium	46997	U 0.5	MG/L	1311/7190	TS	1145	09/12/95
TCLP Lead	46997	K 1.0	MG/L	1311/7420	LC	1645	09/13/95

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CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: PROJECT NAME: BROWNS DUMP SITE  
SUBMISSION NUMBER: 9509000034  
REPORTED DATE: 09/15/95  
INVOICE NUMBER: 5966

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
TCLP Barium	47002	2.05	MG/L	1311/6010	TS	1200	09/12/95
TCLP Cadmium	47002	U 0.5	MG/L	1311/6010	TS	1200	09/12/95
TCLP Chromium	47002	U 0.5	MG/L	1311/7190	TS	1530	09/13/95
TCLP Lead	47002	1.23	MG/L	1311/7420	LC	1645	09/13/95

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
TCLP Arsenic	47006	U 0.5	MG/L	1311/6010	TS	1200	09/12/95
TCLP Barium	47006	U 0.5	MG/L	1311/6010	TS	1200	09/12/95
TCLP Cadmium	47006	U 0.5	MG/L	1311/6010	TS	1200	09/12/95
TCLP Chromium	47006	U 0.5	MG/L	1311/7190	TS	1530	09/13/95
TCLP Lead	47006	K 1.0	MG/L	1311/7420	LC	1645	09/13/95
TCLP Mercury	47006	U 0.1	MG/L	1311/7470	LC	1630	09/12/95
TCLP Silver	47006	U 0.5	MG/L	1311/7760	TS	1515	09/13/95

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(904) 269-6176

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SOUTHEASTERN ENVIRONMENTAL LABORATORIES, INC.  
SUBMISSION RECEIVAL FORM

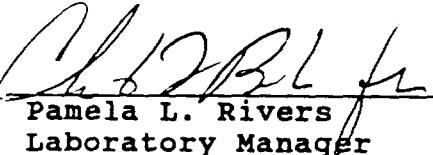
SUBMISSION #: 9509000034

DATE RECEIVED: 09/06/95

CLIENT NAME: DEPARTMENT OF PUBLIC UTILITIES

ORDER #	FIELD ID	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME
46997		SB-51A	07/26/95	14:25
46998		SB-16A	07/26/95	07:48
46999		SB-30W	07/27/95	10:45
47000		SB-48W	07/26/95	16:20
47001		SB-37W	07/27/95	09:41
47002		SB-51W	07/26/95	14:45
47003		SB-33W	07/26/95	09:45
47004		SB-20W	07/25/95	14:00
47005		SB-35W	07/27/95	07:15
47006		SB-9W	07/26/95	09:17
47007		SB-26B	07/27/95	07:00
47008		SB-3B	07/24/95	13:30

Approved By:

  
Pamela L. Rivers  
Laboratory Manager

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Original

48-4-54

# SL SAVANNAH LABORATORIES

& ENVIRONMENTAL SERVICES, INC.

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

- 5102 Lincoln Avenue, Sunnyvale, CA 94087 Phone: (912) 324-7050 Fax: (912) 322-0165
- 2010 Industrial Drive, Tennessee, FL 37301 Phone: (204) 820-3996 Fax: (204) 822-9501
- 114 SW 12th Avenue, Bradenton, FL 34212 Phone: (205) 421-2400 Fax: (205) 421-2501
- 800 Lakeside Drive, Mobile, AL 36693 Phone: (205) 624-6033 Fax: (205) 624-6620
- 8712 Neftzger Island Site 1221, Tampa, FL 33621 Phone: (813) 853-7427 Fax: (813) 853-7019

PROJECT REFERENCE Duval County School Board	PROJECT NO. 71355.020.010	P.O. NUMBER	MATRIX TYPE	REQUIRED ANALYSES							PAGE 2 of 2			
PROJECT LOCATION (STRU) Brown's Dump Site	SAMPLE(H) NAME Chad E Gunter	TELEPHONE 636-9360		TCLP Asbestos	TCLP Barium	TCLP Cadmium	TCLP Chromium	TCLP Lead	TCLP Mercury	TCLP Silver				
CLIENT NAME DCSD	CLIENT PROJECT MANAGER Chad Gunter/EMG													
												<input type="checkbox"/> STANDARD TAT		
												<input type="checkbox"/> EXPEDITED TAT		
												REPORT DUE DATE		
												SUBJECT TO RUSH FEES		
												REMARKS		
SAMPLING		SAMPLE IDENTIFICATION		NUMBER OF CONTAINERS SUBMITTED										
DATE 7/27	TIME 0700	SB-26 B ✓		✓	✓	✓	✓							
7/24	1330	SB-3 B ✓		✓	✓	✓								
REMOVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME	REMOVED BY: (SIGNATURE)		DATE	TIME			
RECEIVED BY: (SIGNATURE)		DATE	TIME	REMOVED BY: (SIGNATURE)		DATE	TIME	REMOVED BY: (SIGNATURE)		DATE	TIME			
LABORATORY USE ONLY														
RECEIVED FOR LABORATORY BY: (SIGNATURE)		DATE	TIME	CUSTODY IN FACT	CUSTODY SEAL NO.	STLNO. NO.	LABORATORY REMARKS:							
				<input type="checkbox"/> YES <input type="checkbox"/> NO										

FIGURE 6.3

RECEIVED  
Date: 05/31  
Page 20 of 25

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**Orange Park, FL 32073**  
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DHRS # 82315

DHRS E-82179

COAP#8806336

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: PROJECT NAME: BROWNS DUMP SITE  
SUBMISSION NUMBER: 9509000034  
REPORTED DATE: 09/15/95  
INVOICE NUMBER: 5966

DESCRIPTION	SAMPLE ID
SB-16A	
SAMPLE DATE: 07/26/95	

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
TCLP Lead	46998	U 1.0	MG/L	1311/7420	LD	1330	09/27/95

**APPENDIX C**  
**GROUNDWATER ANALYTICAL RESULTS**

DHRS # 82315

DHRS E-82179

Southeastern Environmental  
Laboratories, Inc.  
80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
SUBMISSION NUMBER: 9508000052  
REPORTED DATE: 09/08/95  
INVOICE NUMBER: 5842

	DESCRIPTION				SAMPLE ID		
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Mercury	45294	U 0.001	MG/L	245.1	LC	1000	08/19/95
Silver	45294	U 0.025	MG/L	272.1	TS	1500	08/11/95
Arsenic	45294	U 0.025	MG/L	6010	LC	1910	08/17/95
Barium	45294	U 0.1	MG/L	6010	LC	1910	08/17/95
Cadmium	45294	U 0.003	MG/L	6010	TS	1630	08/16/95
Chromium	45294	U 0.05	MG/L	6010	LC	1910	08/17/95
Lead	45294	U 0.005	MG/L	6010	TS	1630	08/16/95
Selenium	45294	U 0.025	MG/L	6010	LC	1910	08/17/95

	DESCRIPTION				SAMPLE ID		
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Mercury	45285	U 0.001	MG/L	245.1	LP	1500	08/10/95
Silver	45285	U 0.025	MG/L	272.1	TS	1500	08/11/95
Arsenic	45285	U 0.025	MG/L	6010	LC	1830	08/17/95
Barium	45285	U 0.1	MG/L	6010	LC	1830	08/17/95
Cadmium	45285	U 0.003	MG/L	6010	TS	1550	08/16/95
Chromium	45285	U 0.05	MG/L	6010	LC	1830	08/17/95
Lead	45285	U 0.005	MG/L	6010	TS	1550	08/16/95
Selenium	45285	U 0.025	MG/L	6010	LC	1830	08/17/95

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515 NORTH LAURA ST. 6TH FLOOR  
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ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
SUBMISSION NUMBER: 9508000052  
REPORTED DATE: 09/08/95  
INVOICE NUMBER: 5842

DESCRIPTION	SAMPLE ID				
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL TIME DATE
DUP- 1 GRAB H2O					
SAMPLE DATE: 08/04/95					
Total Cyanide	45304	U 0.02	MG/L	335.2	PW 1258 08/15/95

DESCRIPTION	SAMPLE ID				
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL TIME DATE
EQ GRAB H2O					
SAMPLE DATE: 08/04/95					
Acetone	45264	U 5.0	UG/L	8260	JG 1221 08/18/95
Benzene	45264	U 1.0	UG/L	8260	JG 1221 08/18/95
Bromobenzene	45264	U 5.0	UG/L	8260	JG 1221 08/18/95
Bromoform	45264	U 5.0	UG/L	8260	JG 1221 08/18/95
Bromomethane	45264	U 5.0	UG/L	8260	JG 1221 08/18/95
2-Butanone (MEK)	45264	U 5.0	UG/L	8260	JG 1221 08/18/95
N-Butyl Benzene	45264	U 5.0	UG/L	8260	JG 1221 08/18/95
Sec-Butyl Benzene	45264	U 5.0	UG/L	8260	JG 1221 08/18/95
tert-Butyl Benzene	45264	U 5.0	UG/L	8260	JG 1221 08/18/95
Carbon Disulfide	45264	U 5.0	UG/L	8260	JG 1221 08/18/95
Carbon tetrachloride	45264	U 3.0	UG/L	8260	JG 1221 08/18/95
Chlorobenzene	45264	U 5.0	UG/L	8260	JG 1221 08/18/95
Chloroethane	45264	U 5.0	UG/L	8260	JG 1221 08/18/95

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ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
SUBMISSION NUMBER: 9508000052  
REPORTED DATE: 09/08/95  
INVOICE NUMBER: 5842

PARAMETER	DESCRIPTION				SAMPLE ID		
	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
2-chloroethyl vinyl ether	45264	U 5.0	UG/L	8260	JG	1221	08/18/95
Chloroform	45264	U 5.0	UG/L	8260	JG	1221	08/18/95
Chloromethane	45264	U 5.0	UG/L	8260	JG	1221	08/18/95
2-Chlorotoluene	45264	U 5.0	UG/L	8260	JG	1221	08/18/95
4-Chlorotoluene	45264	U 5.0	UG/L	8260	JG	1221	08/18/95
Dibromochloromethane	45264	U 5.0	UG/L	8260	JG	1221	08/18/95
Dichlorodifluoromethane	45264	U 5.0	UG/L	8260	JG	1221	08/18/95
1,2-Dibromo-3-Chloropropane	45264	U 5.0	UG/L	8260	JG	1221	08/18/95
1,2-Dibromoethane (EDB)	45264	U 5.0	UG/L	8260	JG	1221	08/18/95
Dibromomethane	45264	U 5.0	UG/L	8260	JG	1221	08/18/95
1,2-Dichlorobenzene	45264	U 5.0	UG/L	8260	JG	1221	08/18/95
1,3-Dichlorobenzene	45264	U 5.0	UG/L	8260	JG	1221	08/18/95
1,4-Dichlorobenzene	45264	U 5.0	UG/L	8260	JG	1221	08/18/95
1,1-Dichloroethane	45264	U 5.0	UG/L	8260	JG	1221	08/18/95
1,2-Dichloroethane	45264	U 3.0	UG/L	8260	JG	1221	08/18/95
1,1-Dichloroethene	45264	U 5.0	UG/L	8260	JG	1221	08/18/95
Cis-1,2-Dichloroethene	45264	U 5.0	UG/L	8260	JG	1221	08/18/95
trans-1,2-Dichloroethene	45264	U 5.0	UG/L	8260	JG	1221	08/18/95
1,2-Dichloropropane	45264	U 5.0	UG/L	8260	JG	1221	08/18/95
1,3-Dichloropropane	45264	U 5.0	UG/L	8260	JG	1221	08/18/95
2,2-Dichloropropane	45264	U 5.0	UG/L	8260	JG	1221	08/18/95
1,1-Dichloropropene	45264	U 5.0	UG/L	8260	JG	1221	08/18/95
Cis-1,3-Dichloropropene	45264	U 5.0	UG/L	8260	JG	1221	08/18/95
trans-1,3-Dichloropropene	45264	U 5.0	UG/L	8260	JG	1221	08/18/95
Ethylbenzene	45264	U 2.0	UG/L	8260	JG	1221	08/18/95
Hexachlorobutadiene	45264	U 5.0	UG/L	8260	JG	1221	08/18/95
2-Hexanone (MBK)	45264	U 5.0	UG/L	8260	JG	1221	08/18/95
Iodomethane	45264	U 5.0	UG/L	8260	JG	1221	08/18/95

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515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
SUBMISSION NUMBER: 9508000052  
REPORTED DATE: 09/08/95  
INVOICE NUMBER: 5842

DESCRIPTION	SAMPLE ID
EQ GRAB H2O	
SAMPLE DATE: 08/04/95	

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST	INITIAL	TIME	DATE
Isopropylbenzene (cumene)	45264	U 5.0	UG/L	8260	JG	1221	08/18/95	
p-Isopropyltoluene (p-cumene)	45264	U 5.0	UG/L	8260	JG	1221	08/18/95	
Dichloromethane (MECL)	45264	U 5.0	UG/L	8260	JG	1221	08/18/95	
4-Methyl-2-pentanone (MIK)	45264	U 5.0	UG/L	8260	JG	1221	08/18/95	
Naphthalene	45264	U 5.0	UG/L	8260	JG	1221	08/18/95	
N-Propylbenzene	45264	U 5.0	UG/L	8260	JG	1221	08/18/95	
Styrene	45264	U 1.0	UG/L	8260	JG	1221	08/18/95	
1,1,2,2-Tetrachloroethane	45264	U 1.0	UG/L	8260	JG	1221	08/18/95	
1,1,1,2-Tetrachloroethane	45264	U 5.0	UG/L	8260	JG	1221	08/18/95	
Tetrachloroethene	45264	U 3.0	UG/L	8260	JG	1221	08/18/95	
Toluene	45264	U 5.0	UG/L	8260	JG	1221	08/18/95	
1,2,3-Trichlorobenzene	45264	U 5.0	UG/L	8260	JG	1221	08/18/95	
1,2,4-Trichlorobenzene	45264	U 5.0	UG/L	8260	JG	1221	08/18/95	
1,1,1-Trichloroethane	45264	U 5.0	UG/L	8260	JG	1221	08/18/95	
1,1,2-Trichloroethane	45264	U 1.0	UG/L	8260	JG	1221	08/18/95	
Trichloroethene	45264	U 1.0	UG/L	8260	JG	1221	08/18/95	
Trichlorofluoromethane	45264	U 5.0	UG/L	8260	JG	1221	08/18/95	
1,2,3-Trichloropropane	45264	U 5.0	UG/L	8260	JG	1221	08/18/95	
1,2,4-Trimethylbenzene	45264	U 5.0	UG/L	8260	JG	1221	08/18/95	
1,3,5-Trimethylbenzene	45264	U 5.0	UG/L	8260	JG	1221	08/18/95	
m,p-Xylenes	45264	U 5.0	UG/L	8260	JG	1221	08/18/95	
o-Xylene	45264	U 5.0	UG/L	8260	JG	1221	08/18/95	
Vinyl acetate	45264	U 5.0	UG/L	8260	JG	1221	08/18/95	
Vinyl chloride	45264	U 1.0	UG/L	8260	JG	1221	08/18/95	
1,2,4-Trichlorobenzene	45270	U 10.0	UG/L	8270	KB	1241	08/21/95	
1,2-Dichlorobenzene	45270	U 10.0	UG/L	8270	KB	1241	08/21/95	
1,3-Dichlorobenzene	45270	U 10.0	UG/L	8270	KB	1241	08/21/95	
1,4-Dichlorobenzene	45270	U 10.0	UG/L	8270	KB	1241	08/21/95	

DHRS # 82315

DHRS E-82179

Southeastern Environmental  
Laboratories, Inc.  
80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
SUBMISSION NUMBER: 9508000052  
REPORTED DATE: 09/08/95  
INVOICE NUMBER: 5842

PARAMETER	DESCRIPTION				SAMPLE ID		
	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
2,4,6-Trichlorophenol	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
2,4-Dichlorophenol	45270	U 4.0	UG/L	8270	KB	1241	08/21/95
2,4-Dimethylphenol	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
2,4-Dinitrophenol	45270	U 30.0	UG/L	8270	KB	1241	08/21/95
2,4-Dinitrotoluene	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
2,6-Dinitrotoluene	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
2-Chloronaphthalene	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
2-Chlorophenol	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
2-Nitrophenol	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
3,3'-Dichlorobenzidine	45270	U 7.5	UG/L	8270	KB	1241	08/21/95
4,4'-DDD	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
4,4'-DDE	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
4,4'-DDT	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
4,6-Dinitro-2-Methylphenol	45270	U 50.0	UG/L	8270	KB	1241	08/21/95
4-Bromophenyl Phenyl Ether	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
4-Chloro-3-Methylphenol	45270	U 20.0	UG/L	8270	KB	1241	08/21/95
4-Chlorophenyl Phenyl Ether	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
4-Nitrophenol	45270	U 15.0	UG/L	8270	KB	1241	08/21/95
A-BHC	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
Acenaphthene	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
Acenaphthylene	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
Aldrin	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
nthracene	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
Aroclor-1016	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
Aroclor-1221	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
Aroclor-1232	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
Aroclor-1242	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
Aroclor-1248	45270	U 10.0	UG/L	8270	KB	1241	08/21/95

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DEPARTMENT OF PUBLIC UTILITIES  
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515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
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PARAMETER	ORDER NUMBER	DESCRIPTION			SAMPLE ID		
		RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Aroclor-1254	45270	U 10.0	UG/L	8270	KB	1241	08/21/91
Aroclor-1260	45270	U 10.0	UG/L	8270	KB	1241	08/21/91
B-BHC	45270	U 10.0	UG/L	8270	KB	1241	08/21/91
Benzidine	45270	U 10.0	UG/L	8270	KB	1241	08/21/91
Benzo(A)Anthracene	45270	U 10.0	UG/L	8270	KB	1241	08/21/91
Benzo(A)Pyrene	45270	U 10.0	UG/L	8270	KB	1241	08/21/91
Benzo(B)Fluoranthene	45270	U 10.0	UG/L	8270	KB	1241	08/21/91
Benzo(G,H,I)Perylene	45270	U 10.0	UG/L	8270	KB	1241	08/21/91
Benzo(K)Fluoranthene	45270	U 10.0	UG/L	8270	KB	1241	08/21/91
Bis(2-Chloroethoxy)Methane	45270	U 10.0	UG/L	8270	KB	1241	08/21/91
Bis(2-Chloroethyl)Ether	45270	U 10.0	UG/L	8270	KB	1241	08/21/91
Bis(2-Chloroisopropyl)Ether	45270	U 10.0	UG/L	8270	KB	1241	08/21/91
Bis(2-Ethylhexyl)Phthalate	45270	U 10.0	UG/L	8270	KB	1241	08/21/91
Butyl Benzyl Phthalate	45270	U 10.0	UG/L	8270	KB	1241	08/21/91
Chlordane	45270	U 10.0	UG/L	8270	KB	1241	08/21/91
Chrysene	45270	U 10.0	UG/L	8270	KB	1241	08/21/91
D-BHC	45270	U 10.0	UG/L	8270	KB	1241	08/21/91
Di-N-Butylphthalate	45270	U 10.0	UG/L	8270	KB	1241	08/21/91
Di-N-Octylphthalate	45270	U 10.0	UG/L	8270	KB	1241	08/21/91
Dibenz(A,H)Anthracene	45270	U 10.0	UG/L	8270	KB	1241	08/21/91
Dieldrin	45270	U 10.0	UG/L	8270	KB	1241	08/21/91
Diethylphthalate	45270	U 10.0	UG/L	8270	KB	1241	08/21/91
Dimethylphthalate	45270	U 10.0	UG/L	8270	KB	1241	08/21/91
Endosulfan I	45270	U 10.0	UG/L	8270	KB	1241	08/21/91
Endosulfan II	45270	U 10.0	UG/L	8270	KB	1241	08/21/91
Endosulfan Sulfate	45270	U 10.0	UG/L	8270	KB	1241	08/21/91
Endrin Aldehyde	45270	U 10.0	UG/L	8270	KB	1241	08/21/91
Endrin	45270	U 10.0	UG/L	8270	KB	1241	08/21/91

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SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
SUBMISSION NUMBER: 9508000052  
REPORTED DATE: 09/08/95  
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PARAMETER	ORDER NUMBER	DESCRIPTION			SAMPLE ID		
		RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Fluoranthene	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
Fluorene	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
G-BHC (Lindane)	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
Heptachlor Epoxide	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
Heptachlor	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
Hexachlorobenzene	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
Hexachlorobutadiene	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
Hexachlorocyclopentadiene	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
Hexachloroethane	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
Indeno(1,2,3-CD)Pyrene	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
Isophorone	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
N-Nitroso-Di-N-Propylamine	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
N-Nitrosodimethylamine	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
N-Nitrosodiphenylamine	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
Naphthalene	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
Nitrobenzene	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
Pentachlorophenol	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
Phenanthrene	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
Phenol	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
Pyrene	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
Toxaphene	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
1,2,4,5-Tetrachlorobenzene	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
1,2-Diphenylhydrazine	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
1-Chloronaphthalene	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
1-Naphthylamine	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
2,3,4,6-Tetrachlorophenol	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
2,4,5-Trichlorophenol	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
2,6-Dichlorophenol	45270	U 10.0	UG/L	8270	KB	1241	08/21/95

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515 NORTH LAURA ST. 6TH FLOOR  
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SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
SUBMISSION NUMBER: 9508000052  
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PARAMETER	DESCRIPTION				SAMPLE ID		
	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST	INITIAL	TIME
2-Methylnaphthalene	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
2-Methylphenol	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
2-Naphthylamine	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
2-Nitroaniline	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
2-Picoline	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
3-Methylcholanthrene	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
3-Nitroaniline	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
4-Aminobiphenyl	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
4-Chloroaniline	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
4-Nitroaniline	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
7,12-Dimethylbenzo(A)Anthracene	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
A-A-Dimethylphenethylamine	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
Acetophenone	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
Aniline	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
Benzoic Acid	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
Benzyl Alcohol	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
Dibenz(A,J)Acridine	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
Dibenzofuran	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
Diphenylamine	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
Ethyl Methanesulfonate	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
Methoxychlor	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
Methyl Methanesulfonate	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
N-Nitroso-Di-N-Butylamine	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
N-Nitrosopiperidine	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
P-Dimethylaminoazobenzene	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
Pentachlorobenzene	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
Pentachloronitrobenzene	45270	U 10.0	UG/L	8270	KB	1241	08/21/95
Phenacetin	45270	U 10.0	UG/L	8270	KB	1241	08/21/95

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CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
 SOLID WASTE DIVISION  
 515 NORTH LAURA ST. 6TH FLOOR  
 JACKSONVILLE, FL 32202-3156  
 ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
 CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
 SUBMISSION NUMBER: 9508000052  
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DESCRIPTION					SAMPLE ID		
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Pronamide	45270	U 10.0	UG/L	8270	KB	1241	08/21/9
Total Cyanide	45295	U 0.02	MG/L	335.2	PW	1258	08/15/9

DESCRIPTION					SAMPLE ID		
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Mercury	45276	U 0.001	MG/L	245.1	LP	1500	08/10/9
Silver	45276	U 0.025	MG/L	272.1	TS	1500	08/11/9
Arsenic	45276	U 0.025	MG/L	6010	LC	1745	08/17/9
Barium	45276	U 0.1	MG/L	6010	LC	1745	08/17/9
Cadmium	45276	U 0.003	MG/L	6010	TS	1515	08/16/9
Chromium	45276	U 0.05	MG/L	6010	LC	1745	08/17/9
Lead	45276	U 0.005	MG/L	6010	TS	1515	08/16/9
Selenium	45276	U 0.025	MG/L	6010	LC	1745	08/17/9

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DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
MW1 GRAB H2O							
SAMPLE DATE: 08/04/95							
Total Cyanide	45298	U 0.02	MG/L	335.2	PW	1258	08/15/95

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
MW1 GRAB H2O FILTERED							
SAMPLE DATE: 08/04/95							
Mercury	45288	U 0.001	MG/L	245.1	LP	1500	08/10/95
Silver	45288	U 0.025	MG/L	272.1	TS	1500	08/11/95
Arsenic	45288	U 0.025	MG/L	6010	LC	1850	08/17/95
Barium	45288	U 0.1	MG/L	6010	LC	1850	08/17/95
Cadmium	45288	U 0.003	MG/L	6010	TS	1615	08/16/95
Chromium	45288	U 0.05	MG/L	6010	LC	1850	08/17/95
Lead	45288	U 0.005	MG/L	6010	TS	1615	08/16/95
Selenium	45288	U 0.025	MG/L	6010	LC	1850	08/17/95

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DESCRIPTION					SAMPLE ID		
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Mercury	45279	U 0.001	MG/L	245.1	LP	1500	08/10/95
Silver	45279	U 0.025	MG/L	272.1	TS	1500	08/11/95
Arsenic	45279	U 0.025	MG/L	6010	LC	1750	08/17/95
Barium	45279	U 0.1	MG/L	6010	LC	1750	08/17/95
Cadmium	45279	U 0.003	MG/L	6010	TS	1530	08/16/95
Chromium	45279	U 0.05	MG/L	6010	LC	1750	08/17/95
Lead	45279	U 0.005	MG/L	6010	TS	1530	08/16/95
Selenium	45279	U 0.025	MG/L	6010	LC	1750	08/17/95

DESCRIPTION					SAMPLE ID		
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Total Cyanide	45299	U 0.02	MG/L	335.2	PW	1258	08/15/95

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DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	INITIAL	TIME	DATE
Mercury	45289	U 0.001	MG/L	245.1	LP	1500	08/10/95
Silver	45289	U 0.025	MG/L	272.1	TS	1500	08/11/95
Arsenic	45289	U 0.025	MG/L	6010	LC	1850	08/17/95
Barium	45289	U 0.1	MG/L	6010	LC	1850	08/17/95
Cadmium	45289	U 0.003	MG/L	6010	TS	1615	08/16/95
Chromium	45289	U 0.05	MG/L	6010	LC	1850	08/17/95
Lead	45289	U 0.005	MG/L	6010	TS	1615	08/16/95
Selenium	45289	U 0.025	MG/L	6010	LC	1850	08/17/95

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	INITIAL	TIME	DATE
Mercury	45280	U 0.001	MG/L	245.1	LP	1500	08/10/95
Silver	45280	U 0.025	MG/L	272.1	TS	1500	08/11/95
Arsenic	45280	U 0.025	MG/L	6010	LC	1750	08/17/95
Barium	45280	0.102	MG/L	6010	LC	1750	08/17/95
Cadmium	45280	U 0.003	MG/L	6010	TS	1530	08/16/95
Chromium	45280	U 0.05	MG/L	6010	LC	1750	08/17/95
Lead	45280	U 0.005	MG/L	6010	TS	1530	08/16/95
Selenium	45280	U 0.025	MG/L	6010	LC	1750	08/17/95

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DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
SUBMISSION NUMBER: 9508000052  
REPORTED DATE: 09/08/95  
INVOICE NUMBER: 5842

DESCRIPTION	SAMPLE ID
MW3 GRAB H2O	
SAMPLE DATE: 08/04/95	

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Acetone	45267	U 5.0	UG/L	8260	JG	1528	08/18/95
Benzene	45267	U 1.0	UG/L	8260	JG	1528	08/18/95
Bromobenzene	45267	U 5.0	UG/L	8260	JG	1528	08/18/95
Bromochloromethane	45267	U 5.0	UG/L	8260	JG	1528	08/18/95
Bromodichloromethane	45267	U 5.0	UG/L	8260	JG	1528	08/18/95
Bromoform	45267	U 5.0	UG/L	8260	JG	1528	08/18/95
Bromomethane	45267	U 5.0	UG/L	8260	JG	1528	08/18/95
2-Butanone (MEK)	45267	U 5.0	UG/L	8260	JG	1528	08/18/95
N-Butyl Benzene	45267	U 5.0	UG/L	8260	JG	1528	08/18/95
Sec-Butyl Benzene	45267	U 5.0	UG/L	8260	JG	1528	08/18/95
tert-Butyl Benzene	45267	U 5.0	UG/L	8260	JG	1528	08/18/95
Carbon Disulfide	45267	U 5.0	UG/L	8260	JG	1528	08/18/95
Carbon tetrachloride	45267	U 3.0	UG/L	8260	JG	1528	08/18/95
Chlorobenzene	45267	U 5.0	UG/L	8260	JG	1528	08/18/95
Chloroethane	45267	U 5.0	UG/L	8260	JG	1528	08/18/95
2-chloroethyl vinyl ether	45267	U 5.0	UG/L	8260	JG	1528	08/18/95
Chloroform	45267	U 5.0	UG/L	8260	JG	1528	08/18/95
Chloromethane	45267	U 5.0	UG/L	8260	JG	1528	08/18/95
2-Chlorotoluene	45267	U 5.0	UG/L	8260	JG	1528	08/18/95
4-Chlorotoluene	45267	U 5.0	UG/L	8260	JG	1528	08/18/95
Dibromochloromethane	45267	U 5.0	UG/L	8260	JG	1528	08/18/95
Dichlorodifluoromethane	45267	U 5.0	UG/L	8260	JG	1528	08/18/95
1,2-Dibromo-3-Chloropropane	45267	U 5.0	UG/L	8260	JG	1528	08/18/95
,2-Dibromoethane (EDB)	45267	U 5.0	UG/L	8260	JG	1528	08/18/95
Dibromomethane	45267	U 5.0	UG/L	8260	JG	1528	08/18/95
1,2-Dichlorobenzene	45267	U 5.0	UG/L	8260	JG	1528	08/18/95
1,3-Dichlorobenzene	45267	U 5.0	UG/L	8260	JG	1528	08/18/95
1,4-Dichlorobenzene	45267	U 5.0	UG/L	8260	JG	1528	08/18/95

**Southeastern Environmental  
Laboratories, Inc.**  
**80 Industrial Loop North, Building 5**  
**Orange Park, FL 32073**  
**(904) 269-6176**

DHRS # 82315

DHRS E-82179

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
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CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
SUBMISSION NUMBER: 9508000052  
REPORTED DATE: 09/08/95  
INVOICE NUMBER: 5842

DESCRIPTION	SAMPLE ID
MW3 GRAB H2O	
SAMPLE DATE: 08/04/95	

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST	INITIAL	TIME	DATE
1,1-Dichloroethane	45267	U 5.0	UG/L	8260	JG	1528	08/18/95	
1,2-Dichloroethane	45267	U 3.0	UG/L	8260	JG	1528	08/18/95	
1,1-Dichloroethene	45267	U 5.0	UG/L	8260	JG	1528	08/18/95	
Cis-1,2-Dichloroethene	45267	U 5.0	UG/L	8260	JG	1528	08/18/95	
trans-1,2-Dichloroethene	45267	U 5.0	UG/L	8260	JG	1528	08/18/95	
1,2-Dichloropropane	45267	U 5.0	UG/L	8260	JG	1528	08/18/95	
1,3-Dichloropropane	45267	U 5.0	UG/L	8260	JG	1528	08/18/95	
2,2-Dichloropropane	45267	U 5.0	UG/L	8260	JG	1528	08/18/95	
1,1-Dichloropropene	45267	U 5.0	UG/L	8260	JG	1528	08/18/95	
Cis-1,3-Dichloropropene	45267	U 5.0	UG/L	8260	JG	1528	08/18/95	
trans-1,3-Dichloropropene	45267	U 5.0	UG/L	8260	JG	1528	08/18/95	
Ethylbenzene	45267	U 2.0	UG/L	8260	JG	1528	08/18/95	
Hexachlorobutadiene	45267	U 5.0	UG/L	8260	JG	1528	08/18/95	
2-Hexanone (MBK)	45267	U 5.0	UG/L	8260	JG	1528	08/18/95	
Iodomethane	45267	U 5.0	UG/L	8260	JG	1528	08/18/95	
Isopropylbenzene (cumene)	45267	U 5.0	UG/L	8260	JG	1528	08/18/95	
p-Isopropyltoluene (p-cumene)	45267	U 5.0	UG/L	8260	JG	1528	08/18/95	
Dichloromethane (MECL)	45267	U 5.0	UG/L	8260	JG	1528	08/18/95	
4-Methyl-2-pentanone (MIK)	45267	U 5.0	UG/L	8260	JG	1528	08/18/95	
Naphthalene	45267	U 5.0	UG/L	8260	JG	1528	08/18/95	
N-Propylbenzene	45267	U 5.0	UG/L	8260	JG	1528	08/18/95	
/Styrene	45267	U 1.0	UG/L	8260	JG	1528	08/18/95	
1,1,2,2-Tetrachloroethane	45267	U 1.0	UG/L	8260	JG	1528	08/18/95	
1,1,1,2-Tetrachloroethane	45267	U 5.0	UG/L	8260	JG	1528	08/18/95	
Tetrachloroethene	45267	U 3.0	UG/L	8260	JG	1528	08/18/95	
Toluene	45267	U 5.0	UG/L	8260	JG	1528	08/18/95	
1,2,3-Trichlorobenzene	45267	U 5.0	UG/L	8260	JG	1528	08/18/95	
1,2,4-Trichlorobenzene	45267	U 5.0	UG/L	8260	JG	1528	08/18/95	

DHRS # 82315

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DHRS E-82179

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
SUBMISSION NUMBER: 9508000052  
REPORTED DATE: 09/08/95  
INVOICE NUMBER: 5842

DESCRIPTION	SAMPLE ID
MW4 GRAB H2O	
SAMPLE DATE: 08/04/95	

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST	INITIAL	TIME	DATE
1,1,1-Trichloroethane	45266	U 5.0	UG/L	8260	JG	1426	08/18/95	
1,1,2-Trichloroethane	45266	U 1.0	UG/L	8260	JG	1426	08/18/95	
Trichloroethene	45266	U 1.0	UG/L	8260	JG	1426	08/18/95	
Trichlorofluoromethane	45266	U 5.0	UG/L	8260	JG	1426	08/18/95	
1,2,3-Trichloropropane	45266	U 5.0	UG/L	8260	JG	1426	08/18/95	
1,2,4-Trimethylbenzene	45266	U 5.0	UG/L	8260	JG	1426	08/18/95	
1,3,5-Trimethylbenzene	45266	U 5.0	UG/L	8260	JG	1426	08/18/95	
m,p-Xylenes	45266	U 5.0	UG/L	8260	JG	1426	08/18/95	
o-Xylene	45266	U 5.0	UG/L	8260	JG	1426	08/18/95	
Vinyl acetate	45266	U 5.0	UG/L	8260	JG	1426	08/18/95	
Vinyl chloride	45266	U 1.0	UG/L	8260	JG	1426	08/18/95	
1,2,4-Trichlorobenzene	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
1,2-Dichlorobenzene	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
1,3-Dichlorobenzene	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
1,4-Dichlorobenzene	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
2,4,6-Trichlorophenol	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
2,4-Dichlorophenol	45272	U 4.0	UG/L	8270	KB	1448	08/21/95	
2,4-Dimethylphenol	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
2,4-Dinitrophenol	45272	U 30.0	UG/L	8270	KB	1448	08/21/95	
2,4-Dinitrotoluene	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
2,6-Dinitrotoluene	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
2-Chloronaphthalene	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
2-Chlorophenol	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
2-Nitrophenol	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
3,3'-Dichlorobenzidine	45272	U 7.5	UG/L	8270	KB	1448	08/21/95	
4,4'-DDD	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
4,4'-DDE	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
4,4'-DDT	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	

DHRS # 82315

DHRS E-82179

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CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
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ATTN: LARY PERKINS

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CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
SUBMISSION NUMBER: 9508000052  
REPORTED DATE: 09/08/95  
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DESCRIPTION	SAMPLE ID
MW4 GRAB H2O	
SAMPLE DATE: 08/04/95	

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
4,6-Dinitro-2-Methylphenol	45272	U 50.0	UG/L	8270	KB	1448	08/21/95
4-Bromophenyl Phenyl Ether	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
4-Chloro-3-Methylphenol	45272	U 20.0	UG/L	8270	KB	1448	08/21/95
4-Chlorophenyl Phenyl Ether	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
4-Nitrophenol	45272	U 15.0	UG/L	8270	KB	1448	08/21/95
A-BHC	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
Acenaphthene	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
Acenaphthylene	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
Aldrin	45272	U 10.0	UG/L	8270	KB	1448	Q8/21/95
Anthracene	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
Aroclor-1016	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
Aroclor-1221	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
Aroclor-1232	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
Aroclor-1242	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
Aroclor-1248	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
Aroclor-1254	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
Aroclor-1260	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
B-BHC	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
Benzidine	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
Benzo(A)Anthracene	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
Benzo(A)Pyrene	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
Benzo(B)Fluoranthene	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
Benzo(G,H,I)Perylene	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
Benzo(K)Fluoranthene	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
Bis(2-Chloroethoxy)Methane	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
Bis(2-Chloroethyl)Ether	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
Bis(2-Chloroisopropyl)Ether	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
Bis(2-Ethylhexyl)Phthalate	45272	U 10.0	UG/L	8270	KB	1448	08/21/95

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DHRS E-82179

CQAP #880633G

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SOLID WASTE DIVISION  
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SUBMISSION NUMBER: 9508000052  
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DESCRIPTION	SAMPLE ID
MW3 GRAB H2O	
SAMPLE DATE: 08/04/95	

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
✓1,1,1-Trichloroethane	45267	U 5.0	UG/L	8260	JG	1528	08/18/95
✓1,1,2-Trichloroethane	45267	U 1.0	UG/L	8260	JG	1528	08/18/95
✓Trichloroethene	45267	U 1.0	UG/L	8260	JG	1528	08/18/95
✓Trichlorofluoromethane	45267	U 5.0	UG/L	8260	JG	1528	08/18/95
✓1,2,3-Trichloropropane	45267	U 5.0	UG/L	8260	JG	1528	08/18/95
✓1,2,4-Trimethylbenzene	45267	U 5.0	UG/L	8260	JG	1528	08/18/95
✓1,3,5-Trimethylbenzene	45267	U 5.0	UG/L	8260	JG	1528	08/18/95
✓m,p-Xylenes	45267	U 5.0	UG/L	8260	JG	1528	08/18/95
✓o-Xylene	45267	U 5.0	UG/L	8260	JG	1528	08/18/95
Vinyl acetate	45267	U 5.0	UG/L	8260	JG	1528	08/18/95
✓Vinyl chloride	45267	U 1.0	UG/L	8260	JG	1528	08/18/95
✓1,2,4-Trichlorobenzene	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
✓1,2-Dichlorobenzene	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
✓1,3-Dichlorobenzene	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
✓1,4-Dichlorobenzene	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
✓2,4,6-Trichlorophenol	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
✓2,4-Dichlorophenol	45273	U 4.0	UG/L	8270	KB	1557	08/21/95
✓2,4-Dimethylphenol	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
✓2,4-Dinitrophenol	45273	U 30.0	UG/L	8270	KB	1557	08/21/95
✓2,4-Dinitrotoluene	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
✓2,6-Dinitrotoluene	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
✓2-Chloronaphthalene	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
✓2-Chlorophenol	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Nitrophenol	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
✓,3'-Dichlorobenzidine	45273	U 7.5	UG/L	8270	KB	1557	08/21/95
4,4'-DDD	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
4,4'-DDE	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
4,4'-DDT	45273	U 10.0	UG/L	8270	KB	1557	08/21/95

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4,6-Dinitro-2-Methylphenol	45273	U 50.0	UG/L	8270	KB	1557	08/21/95
4-Bromophenyl Phenyl Ether	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
4-Chloro-3-Methylphenol	45273	U 20.0	UG/L	8270	KB	1557	08/21/95
4-Chlorophenyl Phenyl Ether	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
4-Nitrophenol	45273	U 15.0	UG/L	8270	KB	1557	08/21/95
A-BHC	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Acenaphthene	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Acenaphthylene	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Aldrin	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Anthracene	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Aroclor-1016	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Aroclor-1221	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Aroclor-1232	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Aroclor-1242	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Aroclor-1248	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Aroclor-1254	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Aroclor-1260	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
B-BHC	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Benzidine	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Benzo(A)Anthracene	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Benzo(A)Pyrene	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Benzo(B)Fluoranthene	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Benzo(G,H,I)Perylene	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Benzo(K)Fluoranthene	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Bis(2-Chloroethoxy)Methane	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Bis(2-Chloroethyl)Ether	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Bis(2-Chloroisopropyl)Ether	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Bis(2-Ethylhexyl)Phthalate	45273	U 10.0	UG/L	8270	KB	1557	08/21/95

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DESCRIPTION	SAMPLE ID
MW3 GRAB H2O	
SAMPLE DATE: 08/04/95	

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST		
					INITIAL	TIME	DATE
Butyl Benzyl Phthalate	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Chlordane	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Chrysene	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
D-BHC	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Di-N-Butylphthalate	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Di-N-Octylphthalate	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Dibenz(A,H)Anthracene	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Dieldrin	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Diethylphthalate	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Dimethylphthalate	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Endosulfan I	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Endosulfan II	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Endosulfan Sulfate	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Endrin Aldehyde	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Endrin	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Fluoranthene	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Fluorene	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
G-BHC (Lindane)	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Heptachlor Epoxide	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Heptachlor	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Hexachlorobenzene	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Hexachlorobutadiene	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Hexachlorocyclopentadiene	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Hexachloroethane	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Indeno(1,2,3-CD)Pyrene	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Isophorone	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
N-Nitroso-Di-N-Propylamine	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
N-Nitrosodimethylamine	45273	U 10.0	UG/L	8270	KB	1557	08/21/95

DHRS # 82315

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**Southeastern Environmental  
Laboratories, Inc.**  
80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

DHRS E-82179

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
SUBMISSION NUMBER: 9508000052  
REPORTED DATE: 09/08/95  
INVOICE NUMBER: 5842

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST		
					INITIAL	TIME	DATE
N-Nitrosodiphenylamine	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Naphthalene	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Nitrobenzene	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Pentachlorophenol	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Phenanthrene	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Phenol	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Pyrene	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Toxaphene	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
1,2,4,5-Tetrachlorobenzene	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
1,2-Diphenylhydrazine	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
1-Chloronaphthalene	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
1-Naphthylamine	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
2,3,4,6-Tetrachlorophenol	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
2,4,5-Trichlorophenol	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
2,6-Dichlorophenol	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
2-Methylnaphthalene	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
2-Methylphenol	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
2-Naphthylamine	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
2-Nitroaniline	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
2-Picoline	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
3-Methylcholanthrene	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
3-Nitroaniline	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
4-Aminobiphenyl	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
-Chloroaniline	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
-Nitroaniline	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
7,12-Dimethylbenzo(A)Anthracene	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
A-A-Dimethylphenethylamine	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Acetophenone	45273	U 10.0	UG/L	8270	KB	1557	08/21/95

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DEPARTMENT OF PUBLIC UTILITIES  
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515 NORTH LAURA ST. 6TH FLOOR  
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DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Mercury	45283	U 0.001	MG/L	245.1	LP	1500	08/10/95
Silver	45283	U 0.025	MG/L	272.1	TS	1500	08/11/95
Arsenic	45283	U 0.025	MG/L	6010	LC	1800	08/17/95
Barium	45283	0.155	MG/L	6010	LC	1800	08/17/95
Cadmium	45283	U 0.003	MG/L	6010	TS	1545	08/16/95
Chromium	45283	U 0.05	MG/L	6010	LC	1800	08/17/95
Lead	45283	0.111	MG/L	6010	TS	1800	08/17/95
Selenium	45283	U 0.025	MG/L	6010	LC	1800	08/17/95

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Acetone	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Benzene	45268	U 1.0	UG/L	8260	JG	1631	08/18/95
Tromobenzene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Tromochloromethane	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Bromodichloromethane	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Bromoform	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Bromomethane	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
2-Butanone (MEK)	45268	U 5.0	UG/L	8260	JG	1631	08/18/95

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PARAMETER	DESCRIPTION				SAMPLE ID		
	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
N-Butyl Benzene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Sec-Butyl Benzene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
tert-Butyl Benzene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Carbon Disulfide	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Carbon tetrachloride	45268	U 3.0	UG/L	8260	JG	1631	08/18/95
Chlorobenzene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Chloroethane	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
2-chloroethyl vinyl ether	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Chloroform	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Chloromethane	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
2-Chlorotoluene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
4-Chlorotoluene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Dibromochloromethane	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Dichlorodifluoromethane	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
1,2-Dibromo-3-Chloropropane	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
1,2-Dibromoethane (EDB)	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Dibromomethane	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
1,2-Dichlorobenzene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
1,3-Dichlorobenzene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
1,4-Dichlorobenzene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
1,1-Dichloroethane	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
1,2-Dichloroethane	45268	U 3.0	UG/L	8260	JG	1631	08/18/95
1,1-Dichloroethene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Cis-1,2-Dichloroethene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
trans-1,2-Dichloroethene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
1,2-Dichloropropane	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
1,3-Dichloropropane	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
2,2-Dichloropropane	45268	U 5.0	UG/L	8260	JG	1631	08/18/95

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CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
SUBMISSION NUMBER: 9508000052  
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PARAMETER	ORDER NUMBER	DESCRIPTION		METHOD	SAMPLE ID		
		RESULT	UNITS		ANALYST INITIAL	TIME	DATE
1,1-Dichloropropene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Cis-1,3-Dichloropropene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
trans-1,3-Dichloropropene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Ethylbenzene	45268	U 2.0	UG/L	8260	JG	1631	08/18/95
Hexachlorobutadiene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
2-Hexanone (MBK)	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Iodomethane	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Isopropylbenzene (cumene)	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
p-Isopropyltoluene (p-cumene)	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Dichloromethane (MECL)	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
4-Methyl-2-pentanone (MIK)	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Naphthalene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
N-Propylbenzene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Styrene	45268	U 1.0	UG/L	8260	JG	1631	08/18/95
1,1,2,2-Tetrachloroethane	45268	U 1.0	UG/L	8260	JG	1631	08/18/95
1,1,1,2-Tetrachloroethane	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Tetrachloroethene	45268	U 3.0	UG/L	8260	JG	1631	08/18/95
Toluene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
1,2,3-Trichlorobenzene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
1,2,4-Trichlorobenzene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
1,1,1-Trichloroethane	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
1,1,2-Trichloroethane	45268	U 1.0	UG/L	8260	JG	1631	08/18/95
Trichloroethene	45268	U 1.0	UG/L	8260	JG	1631	08/18/95
Trichlorofluoromethane	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
1,2,3-Trichloropropane	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
1,2,4-Trimethylbenzene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
1,3,5-Trimethylbenzene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
m,p-Xylenes	45268	U 5.0	UG/L	8260	JG	1631	08/18/95

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DEPARTMENT OF PUBLIC UTILITIES  
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515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
SUBMISSION NUMBER: 9508000052  
REPORTED DATE: 09/08/95  
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PARAMETER	DESCRIPTION				SAMPLE ID		
	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST	INITIAL	TIME
o-Xylene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Vinyl acetate	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Vinyl chloride	45268	U 1.0	UG/L	8260	JG	1631	08/18/95
1,2,4-Trichlorobenzene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
1,2-Dichlorobenzene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
1,3-Dichlorobenzene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
1,4-Dichlorobenzene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
2,4,6-Trichlorophenol	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
2,4-Dichlorophenol	45274	U 4.0	UG/L	8270	KB	1837	08/21/95
2,4-Dimethylphenol	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
2,4-Dinitrophenol	45274	U 30.0	UG/L	8270	KB	1837	08/21/95
2,4-Dinitrotoluene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
2,6-Dinitrotoluene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
2-Chloronaphthalene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
2-Chlorophenol	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
2-Nitrophenol	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
3,3'-Dichlorobenzidine	45274	U 7.5	UG/L	8270	KB	1837	08/21/95
4,4'-DDD	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
4,4'-DDE	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
4,4'-DDT	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
4,6-Dinitro-2-Methylphenol	45274	U 50.0	UG/L	8270	KB	1837	08/21/95
4-Bromophenyl Phenyl Ether	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
4-Chloro-3-Methylphenol	45274	U 20.0	UG/L	8270	KB	1837	08/21/95
-Chlorophenyl Phenyl Ether	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
4-Nitrophenol	45274	U 15.0	UG/L	8270	KB	1837	08/21/95
A-BHC	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Acenaphthene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Acenaphthylene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95

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<b>PARAMETER</b>	<b>ORDER NUMBER</b>	<b>DESCRIPTION</b>			<b>ANALYST INITIAL</b>	<b>SAMPLE ID</b>	
		<b>RESULT</b>	<b>UNITS</b>	<b>METHOD</b>		<b>TIME</b>	<b>DATE</b>
Aldrin	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Anthracene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Aroclor-1016	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Aroclor-1221	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Aroclor-1232	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Aroclor-1242	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Aroclor-1248	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Aroclor-1254	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Aroclor-1260	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
B-BHC	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Benzidine	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Benzo(A)Anthracene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Benzo(A)Pyrene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Benzo(B)Fluoranthene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Benzo(G,H,I)Perylene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Benzo(K)Fluoranthene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Bis(2-Chloroethoxy)Methane	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Bis(2-Chloroethyl)Ether	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Bis(2-Chloroisopropyl)Ether	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Bis(2-Ethylhexyl)Phthalate	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Butyl Benzyl Phthalate	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Chlordane	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Thrysene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
BHC	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Di-N-Butylphthalate	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Di-N-Octylphthalate	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Dibenz(A,E)Anthracene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Dieldrin	45274	U 10.0	UG/L	8270	KB	1837	08/21/95

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REPORTED DATE: 09/08/95  
INVOICE NUMBER: 5842

DESCRIPTION	SAMPLE ID
MW7 GRAB H2O	
SAMPLE DATE: 08/04/95	

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Diethylphthalate	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Dimethylphthalate	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Endosulfan I	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Endosulfan II	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Endosulfan Sulfate	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Endrin Aldehyde	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Endrin	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Fluoranthene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Fluorene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
G-BHC (Lindane)	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Heptachlor Epoxide	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Heptachlor	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Hexachlorobenzene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Hexachlorobutadiene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Hexachlorocyclopentadiene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Hexachloroethane	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Indeno(1,2,3-CD)Pyrene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Isophorone	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
N-Nitroso-Di-N-Propylamine	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
N-Nitrosodimethylamine	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
N-Nitrosodiphenylamine	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Naphthalene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Nitrobenzene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Pentachlorophenol	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Phenanthrene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Phenol	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Pyrene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Toxaphene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95

**Southeastern Environmental  
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**(904) 269-6176**

DHRS # 82315

DHRS E-82179

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
SUBMISSION NUMBER: 9508000052  
REPORTED DATE: 09/08/95  
INVOICE NUMBER: 5842

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST		
					INITIAL	TIME	DATE
1,2,4,5-Tetrachlorobenzene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
1,2-Diphenylhydrazine	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
1-Chloronaphthalene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
1-Naphthylamine	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
2,3,4,6-Tetrachlorophenol	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
2,4,5-Trichlorophenol	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
2,6-Dichlorophenol	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
2-Methylnaphthalene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
2-Methylphenol	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
2-Naphthylamine	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
2-Nitroaniline	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
2-Picoline	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
3-Methylcholanthrene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
3-Nitroaniline	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
4-Aminobiphenyl	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
4-Chloroaniline	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
4-Nitroaniline	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
7,12-Dimethylbenzo(A)Anthracene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
A-A-Dimethylphenethylamine	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Acetophenone	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Aniline	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Benzoic Acid	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Benzyl Alcohol	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
benz(A,J)Acridine	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
benzofuran	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Diphenylamine	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Ethyl Methanesulfonate	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Methoxychlor	45274	U 10.0	UG/L	8270	KB	1837	08/21/95

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DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
SUBMISSION NUMBER: 9508000052  
REPORTED DATE: 09/08/95  
INVOICE NUMBER: 5842

DESCRIPTION					SAMPLE ID		
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Methyl Methanesulfonate	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
N-Nitroso-Di-N-Butylamine	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
N-Nitrosopiperidine	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
P-Dimethylaminoazobenzene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Pentachlorobenzene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Pentachloronitrobenzene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Phenacetin	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Pronamide	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Total Cyanide	45301	U 0.02	MG/L	335.2	PW	1258	08/15/95

DESCRIPTION					SAMPLE ID		
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Mercury	45291	U 0.001	MG/L	245.1	LP	1500	08/10/95
Silver	45291	U 0.025	MG/L	272.1	TS	1500	08/11/95
Arsenic	45291	U 0.025	MG/L	6010	LC	1900	08/17/95
Barium	45291	U 0.1	MG/L	6010	LC	1900	08/17/95
Cadmium	45291	U 0.003	MG/L	6010	TS	1615	08/16/95
Chromium	45291	U 0.05	MG/L	6010	LC	1900	08/17/95
Lead	45291	U 0.005	MG/L	6010	TS	1615	08/16/95

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ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
SUBMISSION NUMBER: 9508000052  
REPORTED DATE: 09/08/95  
INVOICE NUMBER: 5842

DESCRIPTION	SAMPLE ID				
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL TIME DATE
MW7 GRAB H <sub>2</sub> O FILTERED					
SAMPLE DATE: 08/04/95					
Selenium	45291	U 0.025 MG/L	6010	LC	1900 08/17/95

DESCRIPTION	SAMPLE ID				
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL TIME DATE
MW7 GRAB H <sub>2</sub> O UNFILTERED					
SAMPLE DATE: 08/04/95					
Mercury	45282	U 0.001 MG/L	245.1	LP	1500 08/10/95
Silver	45282	U 0.025 MG/L	272.1	TS	1500 08/11/95
Arsenic	45282	U 0.025 MG/L	6010	LC	1800 08/17/95
Barium	45282	U 0.1 MG/L	6010	LC	1800 08/17/95
Cadmium	45282	U 0.003 MG/L	6010	TS	1545 08/16/95
Chromium	45282	U 0.05 MG/L	6010	LC	1800 08/17/95
Lead	45282	U 0.005 MG/L	6010	TS	1545 08/16/95
Selenium	45282	U 0.025 MG/L	6010	LC	1800 08/17/95

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SUBMISSION NUMBER: 9508000052  
REPORTED DATE: 09/08/95  
INVOICE NUMBER: 5842

DESCRIPTION	SAMPLE ID
MW3 GRAB H2O	
SAMPLE DATE: 08/04/95	

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Aniline	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Benzoic Acid	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Benzyl Alcohol	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Dibenz(A,J)Acridine	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Dibenzofuran	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Diphenylamine	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Ethyl Methanesulfonate	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Methoxychlor	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Methyl Methanesulfonate	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
N-Nitroso-Di-N-Butylamine	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
N-Nitrosopiperidine	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
P-Dimethylaminoazobenzene	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Pentachlorobenzene	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Pentachloronitrobenzene	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Phenacetin	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Pronamide	45273	U 10.0	UG/L	8270	KB	1557	08/21/95
Total Cyanide	45300	U 0.02	MG/L	335.2	PW	1258	08/15/95

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<b>DESCRIPTION</b>				<b>SAMPLE ID</b>			
<b>PARAMETER</b>	<b>ORDER NUMBER</b>	<b>RESULT</b>	<b>UNITS</b>	<b>METHOD</b>	<b>ANALYST INITIAL</b>	<b>TIME</b>	<b>DATE</b>
Mercury	45290	U 0.001	MG/L	245.1	LP	1500	08/10/95
Silver	45290	U 0.025	MG/L	272.1	TS	1500	08/11/95
Arsenic	45290	U 0.025	MG/L	6010	LC	1850	08/17/95
Barium	45290	U 0.1	MG/L	6010	LC	1850	08/17/95
Cadmium	45290	U 0.003	MG/L	6010	TS	1615	08/16/95
Chromium	45290	U 0.05	MG/L	6010	LC	1850	08/17/95
Lead	45290	U 0.005	MG/L	6010	TS	1615	08/16/95
Selenium	45290	U 0.025	MG/L	6010	LC	1850	08/17/95

<b>DESCRIPTION</b>				<b>SAMPLE ID</b>			
<b>PARAMETER</b>	<b>ORDER NUMBER</b>	<b>RESULT</b>	<b>UNITS</b>	<b>METHOD</b>	<b>ANALYST INITIAL</b>	<b>TIME</b>	<b>DATE</b>
Mercury	45281	U 0.001	MG/L	245.1	LP	1500	08/10/95
Silver	45281	U 0.025	MG/L	272.1	TS	1500	08/11/95
Arsenic	45281	U 0.025	MG/L	6010	LC	1750	08/17/95
Barium	45281	0.114	MG/L	6010	LC	1750	08/17/95
Cadmium	45281	U 0.003	MG/L	6010	TS	1530	08/16/95
Chromium	45281	U 0.05	MG/L	6010	LC	1750	08/17/95
Lead	45281	U 0.005	MG/L	6010	TS	1530	08/16/95
Selenium	45281	U 0.025	MG/L	6010	LC	1750	08/17/95

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JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

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CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
SUBMISSION NUMBER: 9508000052  
REPORTED DATE: 09/08/95  
INVOICE NUMBER: 5842

DESCRIPTION	SAMPLE ID
MW4 GRAB H2O	
SAMPLE DATE: 08/04/95	

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Acetone	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
Benzene	45266	U 1.0	UG/L	8260	JG	1426	08/18/95
Bromobenzene	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
Bromochloromethane	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
Bromodichloromethane	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
Bromoform	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
Bromomethane	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
2-Butanone (MEK)	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
N-Butyl Benzene	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
Sec-Butyl Benzene	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
tert-Butyl Benzene	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
Carbon Disulfide	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
Carbon tetrachloride	45266	U 3.0	UG/L	8260	JG	1426	08/18/95
Chlorobenzene	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
Chloroethane	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
2-chloroethyl vinyl ether	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
Chloroform	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
Chloromethane	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
2-Chlorotoluene	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
4-Chlorotoluene	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
Dibromochloromethane	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
Dichlorodifluoromethane	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
1,2-Dibromo-3-Chloropropane	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
,2-Dibromoethane (EDB)	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
Dibromomethane	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
1,2-Dichlorobenzene	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
1,3-Dichlorobenzene	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
1,4-Dichlorobenzene	45266	U 5.0	UG/L	8260	JG	1426	08/18/95

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CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
 SOLID WASTE DIVISION  
 515 NORTH LAURA ST. 6TH FLOOR  
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 ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
 CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
 SUBMISSION NUMBER: 9508000052  
 REPORTED DATE: 09/08/95  
 INVOICE NUMBER: 5842

DESCRIPTION	SAMPLE ID
MW4 GRAB H2O	
SAMPLE DATE: 08/04/95	

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
1,1-Dichloroethane	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
1,2-Dichloroethane	45266	U 3.0	UG/L	8260	JG	1426	08/18/95
1,1-Dichloroethene	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
Cis-1,2-Dichloroethene	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
trans-1,2-Dichloroethene	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
1,2-Dichloropropane	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
1,3-Dichloropropane	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
2,2-Dichloropropane	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
1,1-Dichloropropene	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
Cis-1,3-Dichloropropene	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
trans-1,3-Dichloropropene	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
Ethylbenzene	45266	U 2.0	UG/L	8260	JG	1426	08/18/95
Hexachlorobutadiene	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
2-Hexanone (MBK)	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
Iodomethane	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
Isopropylbenzene (cumene)	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
p-Isopropyltoluene (p-cumene)	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
Dichloromethane (MECL)	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
4-Methyl-2-pentanone (MIK)	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
Naphthalene	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
N-Propylbenzene	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
Styrene	45266	U 1.0	UG/L	8260	JG	1426	08/18/95
1,1,2,2-Tetrachloroethane	45266	U 1.0	UG/L	8260	JG	1426	08/18/95
,1,1,2-Tetrachloroethane	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
-tetrachloroethene	45266	U 3.0	UG/L	8260	JG	1426	08/18/95
Toluene	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
1,2,3-Trichlorobenzene	45266	U 5.0	UG/L	8260	JG	1426	08/18/95
1,2,4-Trichlorobenzene	45266	U 5.0	UG/L	8260	JG	1426	08/18/95

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SUBMISSION NUMBER: 9508000052  
REPORTED DATE: 09/08/95  
INVOICE NUMBER: 5842**

<b>DESCRIPTION</b>	<b>SAMPLE ID</b>
MW4 GRAB H2O	
SAMPLE DATE: 08/04/95	

<b>PARAMETER</b>	<b>ORDER NUMBER</b>	<b>RESULT</b>	<b>UNITS</b>	<b>METHOD</b>	<b>ANALYST</b>	<b>INITIAL</b>	<b>TIME</b>	<b>DATE</b>
Butyl Benzyl Phthalate	45272	U 10.0	UG/L	8270	KB		1448	08/21/95
Chlordane	45272	U 10.0	UG/L	8270	KB		1448	08/21/95
Chrysene	45272	U 10.0	UG/L	8270	KB		1448	08/21/95
D-BHC	45272	U 10.0	UG/L	8270	KB		1448	08/21/95
Di-N-Butylphthalate	45272	U 10.0	UG/L	8270	KB		1448	08/21/95
Di-N-Octylphthalate	45272	U 10.0	UG/L	8270	KB		1448	08/21/95
Dibenz(A,H)Anthracene	45272	U 10.0	UG/L	8270	KB		1448	08/21/95
Dieldrin	45272	U 10.0	UG/L	8270	KB		1448	08/21/95
Diethylphthalate	45272	U 10.0	UG/L	8270	KB		1448	08/21/95
Dimethylphthalate	45272	U 10.0	UG/L	8270	KB		1448	08/21/95
Endosulfan I	45272	U 10.0	UG/L	8270	KB		1448	08/21/95
Endosulfan II	45272	U 10.0	UG/L	8270	KB		1448	08/21/95
Endosulfan Sulfate	45272	U 10.0	UG/L	8270	KB		1448	08/21/95
Endrin Aldehyde	45272	U 10.0	UG/L	8270	KB		1448	08/21/95
Endrin	45272	U 10.0	UG/L	8270	KB		1448	08/21/95
Fluoranthene	45272	U 10.0	UG/L	8270	KB		1448	08/21/95
Fluorene	45272	U 10.0	UG/L	8270	KB		1448	08/21/95
G-BHC (Lindane)	45272	U 10.0	UG/L	8270	KB		1448	08/21/95
Heptachlor Epoxide	45272	U 10.0	UG/L	8270	KB		1448	08/21/95
Heptachlor	45272	U 10.0	UG/L	8270	KB		1448	08/21/95
Hexachlorobenzene	45272	U 10.0	UG/L	8270	KB		1448	08/21/95
Hexachlorobutadiene	45272	U 10.0	UG/L	8270	KB		1448	08/21/95
Hexachlorocyclopentadiene	45272	U 10.0	UG/L	8270	KB		1448	08/21/95
hexachloroethane	45272	U 10.0	UG/L	8270	KB		1448	08/21/95
Indeno(1,2,3-CD)Pyrene	45272	U 10.0	UG/L	8270	KB		1448	08/21/95
Isophorone	45272	U 10.0	UG/L	8270	KB		1448	08/21/95
N-Nitroso-Di-N-Propylamine	45272	U 10.0	UG/L	8270	KB		1448	08/21/95
N-Nitrosodimethylamine	45272	U 10.0	UG/L	8270	KB		1448	08/21/95

**Southeastern Environmental  
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**(904) 269-6176**

DHRS E-82179

DHRS # 82315

CQAP #880633G

**DEPARTMENT OF PUBLIC UTILITIES**  
**SOLID WASTE DIVISION**  
**515 NORTH LAURA ST. 6TH FLOOR**  
**JACKSONVILLE, FL 32202-3156**  
**ATTN: LARY PERKINS**

**SAMPLED BY:** CLIENT  
**CLIENT JOB/PO NUMBER:** B0099071      **PROJECT NAME:** BROWNS DUMP  
**SUBMISSION NUMBER:** 9508000052  
**REPORTED DATE:** 09/08/95  
**INVOICE NUMBER:** 5842

<b>PARAMETER</b>	<b>ORDER NUMBER</b>	<b>DESCRIPTION</b>			<b>METHOD</b>	<b>SAMPLE ID</b>		
		<b>RESULT</b>	<b>UNITS</b>			<b>INITIAL</b>	<b>TIME</b>	<b>DATE</b>
N-Nitrosodiphenylamine	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
Naphthalene	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
Nitrobenzene	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
Pentachlorophenol	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
Phenanthrene	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
Phenol	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
Pyrene	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
Toxaphene	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
1,2,4,5-Tetrachlorobenzene	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
1,2-Diphenylhydrazine	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
1-Chloronaphthalene	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
1-Naphthylamine	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
2,3,4,6-Tetrachlorophenol	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
2,4,5-Trichlorophenol	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
2,6-Dichlorophenol	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
2-Methylnaphthalene	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
2-Methylphenol	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
2-Naphthylamine	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
2-Nitroaniline	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
2-Picoline	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
3-Methylcholanthrene	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
3-Nitroaniline	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
4-Aminobiphenyl	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
4-Chloroaniline	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
4-Nitroaniline	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
7,12-Dimethylbenzo(A)Anthracene	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
A-A-Dimethylphenethylamine	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	
Acetophenone	45272	U 10.0	UG/L	8270	KB	1448	08/21/95	

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DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
SUBMISSION NUMBER: 9508000052  
REPORTED DATE: 09/08/95  
INVOICE NUMBER: 5842

PARAMETER	ORDER NUMBER	DESCRIPTION			SAMPLE ID		
		RESULT	UNITS	METHOD	ANALYST	INITIAL	TIME
Aniline	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
Benzoic Acid	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
Benzyl Alcohol	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
Dibenz(A,J)Acridine	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
Dibenzofuran	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
Diphenylamine	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
Ethyl Methanesulfonate	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
Methoxychlor	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
Methyl Methanesulfonate	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
N-Nitroso-Di-N-Butylamine	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
N-Nitrosopiperidine	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
P-Dimethylaminoazobenzene	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
Pentachlorobenzene	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
Pentachloronitrobenzene	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
Phenacetin	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
Pronamide	45272	U 10.0	UG/L	8270	KB	1448	08/21/95
Total Cyanide	45297	U 0.02	MG/L	335.2	PW	1258	08/15/95

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 515 NORTH LAURA ST. 6TH FLOOR  
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SAMPLED BY: CLIENT  
 CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
 SUBMISSION NUMBER: 9508000052  
 REPORTED DATE: 09/08/95  
 INVOICE NUMBER: 5842

DESCRIPTION	SAMPLE ID
MW4 GRAB H2O FILTERED	
SAMPLE DATE: 08/04/95	

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Mercury	45287	U 0.001	MG/L	245.1	LP	1500	08/10/95
Silver	45287	U 0.025	MG/L	272.1	TS	1500	08/11/95
Arsenic	45287	U 0.025	MG/L	6010	LC	1830	08/17/95
Barium	45287	U 0.1	MG/L	6010	LC	1830	08/17/95
Cadmium	45287	0.003	MG/L	6010	TS	1550	08/16/95
Chromium	45287	U 0.05	MG/L	6010	LC	1830	08/17/95
Lead	45287	0.104	MG/L	6010	LC	1845	08/17/95
Selenium	45287	U 0.025	MG/L	6010	LC	1830	08/17/95

DESCRIPTION	SAMPLE ID
MW4 GRAB H2O UNFILTERED	
SAMPLE DATE: 08/04/95	

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Mercury	45278	U 0.001	MG/L	245.1	LP	1500	08/10/95
Silver	45278	U 0.025	MG/L	272.1	TS	1500	08/11/95
Arsenic	45278	U 0.025	MG/L	6010	LC	1745	08/17/95
Barium	45278	U 0.1	MG/L	6010	LC	1745	08/17/95
Cadmium	45278	0.004	MG/L	6010	TS	1515	08/16/95
Chromium	45278	U 0.05	MG/L	6010	LC	1745	08/17/95
Lead	45278	0.395	MG/L	6010	TS	1745	08/17/95
Selenium	45278	U 0.025	MG/L	6010	LC	1745	08/17/95

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**SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071      PROJECT NAME: BROWNS DUMP  
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REPORTED DATE: 09/08/95  
INVOICE NUMBER: 5842**

PARAMETER	DESCRIPTION				SAMPLE ID		
	ORDER NUMBER	RESULT	UNITS	METHOD	INITIAL	TIME	DATE
Acetone	45269	U 5.0	UG/L	8260	JG	1727	08/18/91
Benzene	45269	U 1.0	UG/L	8260	JG	1727	08/18/91
Bromobenzene	45269	U 5.0	UG/L	8260	JG	1727	08/18/91
Bromoform	45269	U 5.0	UG/L	8260	JG	1727	08/18/91
Bromochloromethane	45269	U 5.0	UG/L	8260	JG	1727	08/18/91
Bromodichloromethane	45269	U 5.0	UG/L	8260	JG	1727	08/18/91
Bromomethane	45269	U 5.0	UG/L	8260	JG	1727	08/18/91
2-Butanone (MEK)	45269	U 5.0	UG/L	8260	JG	1727	08/18/91
N-Butyl Benzene	45269	U 5.0	UG/L	8260	JG	1727	08/18/91
Sec-Butyl Benzene	45269	U 5.0	UG/L	8260	JG	1727	08/18/91
tert-Butyl Benzene	45269	U 5.0	UG/L	8260	JG	1727	08/18/91
Carbon Disulfide	45269	U 5.0	UG/L	8260	JG	1727	08/18/91
Carbon tetrachloride	45269	U 3.0	UG/L	8260	JG	1727	08/18/91
Chlorobenzene	45269	U 5.0	UG/L	8260	JG	1727	08/18/91
Chloroethane	45269	U 5.0	UG/L	8260	JG	1727	08/18/91
2-chloroethyl vinyl ether	45269	U 5.0	UG/L	8260	JG	1727	08/18/91
Chloroform	45269	U 5.0	UG/L	8260	JG	1727	08/18/91
Chloromethane	45269	U 5.0	UG/L	8260	JG	1727	08/18/91
2-Chlorotoluene	45269	U 5.0	UG/L	8260	JG	1727	08/18/91
4-Chlorotoluene	45269	U 5.0	UG/L	8260	JG	1727	08/18/91
Dibromochloromethane	45269	U 5.0	UG/L	8260	JG	1727	08/18/91
Dichlorodifluoromethane	45269	U 5.0	UG/L	8260	JG	1727	08/18/91
1,2-Dibromo-3-Chloropropane	45269	U 5.0	UG/L	8260	JG	1727	08/18/91
1,2-Dibromoethane (EDB)	45269	U 5.0	UG/L	8260	JG	1727	08/18/91
Dibromomethane	45269	U 5.0	UG/L	8260	JG	1727	08/18/91
1,2-Dichlorobenzene	45269	U 5.0	UG/L	8260	JG	1727	08/18/91
1,3-Dichlorobenzene	45269	U 5.0	UG/L	8260	JG	1727	08/18/91
1,4-Dichlorobenzene	45269	U 5.0	UG/L	8260	JG	1727	08/18/91

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SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
SUBMISSION NUMBER: 9508000052  
REPORTED DATE: 09/08/95  
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PARAMETER	ORDER NUMBER	DESCRIPTION			SAMPLE ID		
		RESULT	UNITS	METHOD	ANALYST	INITIAL	TIME
1,1-Dichloroethane	45269	U 5.0	UG/L	8260	JG	1727	08/18/95
1,2-Dichloroethane	45269	U 3.0	UG/L	8260	JG	1727	08/18/95
1,1-Dichloroethene	45269	U 5.0	UG/L	8260	JG	1727	08/18/95
Cis-1,2-Dichloroethene	45269	U 5.0	UG/L	8260	JG	1727	08/18/95
trans-1,2-Dichloroethene	45269	U 5.0	UG/L	8260	JG	1727	08/18/95
1,2-Dichloropropane	45269	U 5.0	UG/L	8260	JG	1727	08/18/95
1,3-Dichloropropane	45269	U 5.0	UG/L	8260	JG	1727	08/18/95
2,2-Dichloropropane	45269	U 5.0	UG/L	8260	JG	1727	08/18/95
1,1-Dichloropropene	45269	U 5.0	UG/L	8260	JG	1727	08/18/95
Cis-1,3-Dichloropropene	45269	U 5.0	UG/L	8260	JG	1727	08/18/95
trans-1,3-Dichloropropene	45269	U 5.0	UG/L	8260	JG	1727	08/18/95
Ethylbenzene	45269	U 2.0	UG/L	8260	JG	1727	08/18/95
Hexachlorobutadiene	45269	U 5.0	UG/L	8260	JG	1727	08/18/95
2-Hexanone (MBK)	45269	U 5.0	UG/L	8260	JG	1727	08/18/95
Iodomethane	45269	U 5.0	UG/L	8260	JG	1727	08/18/95
Isopropylbenzene (cumene)	45269	U 5.0	UG/L	8260	JG	1727	08/18/95
p-Isopropyltoluene (p-cumene)	45269	U 5.0	UG/L	8260	JG	1727	08/18/95
Dichloromethane (MECL)	45269	U 5.0	UG/L	8260	JG	1727	08/18/95
4-Methyl-2-pentanone (MIK)	45269	U 5.0	UG/L	8260	JG	1727	08/18/95
Naphthalene	45269	U 5.0	UG/L	8260	JG	1727	08/18/95
N-Propylbenzene	45269	U 5.0	UG/L	8260	JG	1727	08/18/95
Styrene	45269	U 1.0	UG/L	8260	JG	1727	08/18/95
1,1,2,2-Tetrachloroethane	45269	U 1.0	UG/L	8260	JG	1727	08/18/95
1,1,1,2-Tetrachloroethane	45269	U 5.0	UG/L	8260	JG	1727	08/18/95
Tetrachloroethene	45269	U 3.0	UG/L	8260	JG	1727	08/18/95
Toluene	45269	U 5.0	UG/L	8260	JG	1727	08/18/95
1,2,3-Trichlorobenzene	45269	U 5.0	UG/L	8260	JG	1727	08/18/95
1,2,4-Trichlorobenzene	45269	U 5.0	UG/L	8260	JG	1727	08/18/95

DHRS # 82315

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CQAP #880633G

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SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS**

**SAMPLED BY: CLIENT**  
**CLIENT JOB/PO NUMBER: B0099071**      **PROJECT NAME: BROWNS DUMP**  
**SUBMISSION NUMBER: 9508000052**  
**REPORTED DATE: 09/08/95**  
**INVOICE NUMBER: 5842**

<b>PARAMETER</b>	<b>ORDER NUMBER</b>	<b>DESCRIPTION</b>				<b>SAMPLE ID</b>		
		<b>RESULT</b>	<b>UNITS</b>	<b>METHOD</b>	<b>ANALYST INITIAL</b>	<b>TIME</b>	<b>DATE</b>	
1,1,1-Trichloroethane	45269	U 5.0	UG/L	8260	JG	1727	08/18/91	
1,1,2-Trichloroethane	45269	U 1.0	UG/L	8260	JG	1727	08/18/91	
Trichloroethene	45269	U 1.0	UG/L	8260	JG	1727	08/18/91	
Trichlorofluoromethane	45269	U 5.0	UG/L	8260	JG	1727	08/18/91	
1,2,3-Trichloropropane	45269	U 5.0	UG/L	8260	JG	1727	08/18/91	
1,2,4-Trimethylbenzene	45269	U 5.0	UG/L	8260	JG	1727	08/18/91	
1,3,5-Trimethylbenzene	45269	U 5.0	UG/L	8260	JG	1727	08/18/91	
m,p-Xylenes	45269	U 5.0	UG/L	8260	JG	1727	08/18/91	
o-Xylene	45269	U 5.0	UG/L	8260	JG	1727	08/18/91	
Vinyl acetate	45269	U 5.0	UG/L	8260	JG	1727	08/18/91	
Vinyl chloride	45269	U 1.0	UG/L	8260	JG	1727	08/18/91	
1,2,4-Trichlorobenzene	45275	U 10.0	UG/L	8270	KB	1948	08/21/91	
1,2-Dichlorobenzene	45275	U 10.0	UG/L	8270	KB	1948	08/21/91	
1,3-Dichlorobenzene	45275	U 10.0	UG/L	8270	KB	1948	08/21/91	
1,4-Dichlorobenzene	45275	U 10.0	UG/L	8270	KB	1948	08/21/91	
2,4,6-Trichlorophenol	45275	U 10.0	UG/L	8270	KB	1948	08/21/91	
2,4-Dichlorophenol	45275	U 4.0	UG/L	8270	KB	1948	08/21/91	
2,4-Dimethylphenol	45275	U 10.0	UG/L	8270	KB	1948	08/21/91	
2,4-Dinitrophenol	45275	U 30.0	UG/L	8270	KB	1948	08/21/91	
2,4-Dinitrotoluene	45275	U 10.0	UG/L	8270	KB	1948	08/21/91	
2,6-Dinitrotoluene	45275	U 10.0	UG/L	8270	KB	1948	08/21/91	
2-Chloronaphthalene	45275	U 10.0	UG/L	8270	KB	1948	08/21/91	
2-Chlorophenol	45275	U 10.0	UG/L	8270	KB	1948	08/21/91	
2-Nitrophenol	45275	U 10.0	UG/L	8270	KB	1948	08/21/91	
3,3'-Dichlorobenzidine	45275	U 7.5	UG/L	8270	KB	1948	08/21/91	
4,4'-DDD	45275	U 10.0	UG/L	8270	KB	1948	08/21/91	
4,4'-DDE	45275	U 10.0	UG/L	8270	KB	1948	08/21/91	
4,4'-DDT	45275	U 10.0	UG/L	8270	KB	1948	08/21/91	

DHRS # 82315

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SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
SUBMISSION NUMBER: 9508000052  
REPORTED DATE: 09/08/95  
INVOICE NUMBER: 5842

DESCRIPTION	SAMPLE ID
MW5 GRAB H2O	
SAMPLE DATE: 08/04/95	

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
4,6-Dinitro-2-Methylphenol	45275	U 50.0	UG/L	8270	KB	1948	08/21/95
4-Bromophenyl Phenyl Ether	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
4-Chloro-3-Methylphenol	45275	U 20.0	UG/L	8270	KB	1948	08/21/95
4-Chlorophenyl Phenyl Ether	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
4-Nitrophenol	45275	U 15.0	UG/L	8270	KB	1948	08/21/95
A-BHC	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Acenaphthene	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Acenaphthylene	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Aldrin	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Anthracene	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Aroclor-1016	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Aroclor-1221	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Aroclor-1232	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Aroclor-1242	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Aroclor-1248	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Aroclor-1254	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Aroclor-1260	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
B-BHC	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Benzidine	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Benzo(A)Anthracene	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Benzo(A)Pyrene	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Benzo(B)Fluoranthene	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Benzo(G,H,I)Perylene	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Benzo(K)Fluoranthene	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Bis(2-Chloroethoxy)Methane	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Bis(2-Chloroethyl)Ether	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Bis(2-Chloroisopropyl)Ether	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Bis(2-Ethylhexyl)Phthalate	45275	U 10.0	UG/L	8270	KB	1948	08/21/95

DHRS # 82315

Southeastern Environmental  
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80 Industrial Loop North, Building 5  
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(904) 269-6176

DHRS E-82179

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
SUBMISSION NUMBER: 9508000052  
REPORTED DATE: 09/08/95  
INVOICE NUMBER: 5842

PARAMETER	DESCRIPTION				SAMPLE ID		
	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Butyl Benzyl Phthalate	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Chlordane	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Chrysene	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
D-BHC	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Di-N-Butylphthalate	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Di-N-Octylphthalate	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Dibenz(A,H)Anthracene	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Dieldrin	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Diethylphthalate	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Dimethylphthalate	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Endosulfan I	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Endosulfan II	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Endosulfan Sulfate	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Endrin Aldehyde	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Endrin	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Fluoranthene	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Fluorene	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
G-BHC (Lindane)	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Heptachlor Epoxide	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Heptachlor	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Hexachlorobenzene	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Hexachlorobutadiene	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Hexachlorocyclopentadiene	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Iexachloroethane	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Indeno(1,2,3-CD)Pyrene	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Isophorone	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
N-Nitroso-Di-N-Propylamine	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
N-Nitrosodimethylamine	45275	U 10.0	UG/L	8270	KB	1948	08/21/95

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SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
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SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
SUBMISSION NUMBER: 9508000052  
REPORTED DATE: 09/08/95  
INVOICE NUMBER: 5842

PARAMETER	DESCRIPTION				SAMPLE ID		
	ORDER NUMBER	RESULT	UNITS	METHOD	INITIAL	TIME	DATE
N-Nitrosodiphenylamine	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Naphthalene	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Nitrobenzene	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Pentachlorophenol	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Phenanthrene	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Phenol	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Pyrene	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Toxaphene	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
1,2,4,5-Tetrachlorobenzene	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
1,2-Diphenylhydrazine	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
1-Chloronaphthalene	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
1-Naphthylamine	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
2,3,4,6-Tetrachlorophenol	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
2,4,5-Trichlorophenol	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
2,6-Dichlorophenol	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
2-Methylnaphthalene	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
2-Methylphenol	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
2-Naphthylamine	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
2-Nitroaniline	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
2-Picoline	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
3-Methylcholanthrene	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
3-Nitroaniline	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
4-Aminobiphenyl	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
4-Chloroaniline	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
4-Nitroaniline	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
7,12-Dimethylbenzo(A)Anthracene	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
A-A-Dimethylphenethylamine	45275	U 10.0	UG/L	8270	KB	1948	08/21/95
Acetophenone	45275	U 10.0	UG/L	8270	KB	1948	08/21/95

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**SOLID WASTE DIVISION**  
**515 NORTH LAURA ST. 6TH FLOOR**  
**JACKSONVILLE, FL 32202-3156**  
**ATTN: LARY PERKINS**

**SAMPLED BY:** CLIENT  
**CLIENT JOB/PO NUMBER:** B0099071      **PROJECT NAME:** BROWNS DUMP  
**SUBMISSION NUMBER:** 9508000052  
**REPORTED DATE:** 09/08/95  
**INVOICE NUMBER:** 5842

<b>PARAMETER</b>	<b>ORDER NUMBER</b>				<b>ANALYST</b>	<b>SAMPLE ID</b>	
		<b>RESULT</b>	<b>UNITS</b>	<b>METHOD</b>		<b>INITIAL</b>	<b>TIME</b>
Aniline	45275	U 10.0	UG/L	8270	KB	1948	08/21/91
Benzoic Acid	45275	U 10.0	UG/L	8270	KB	1948	08/21/91
Benzyl Alcohol	45275	U 10.0	UG/L	8270	KB	1948	08/21/91
Dibenz(A,J)Acridine	45275	U 10.0	UG/L	8270	KB	1948	08/21/91
Dibenzofuran	45275	U 10.0	UG/L	8270	KB	1948	08/21/91
Diphenylamine	45275	U 10.0	UG/L	8270	KB	1948	08/21/91
Ethyl Methanesulfonate	45275	U 10.0	UG/L	8270	KB	1948	08/21/91
Methoxychlor	45275	U 10.0	UG/L	8270	KB	1948	08/21/91
Methyl Methanesulfonate	45275	U 10.0	UG/L	8270	KB	1948	08/21/91
N-Nitroso-Di-N-Butylamine	45275	U 10.0	UG/L	8270	KB	1948	08/21/91
N-Nitrosopiperidine	45275	U 10.0	UG/L	8270	KB	1948	08/21/91
P-Dimethylaminoazobenzene	45275	U 10.0	UG/L	8270	KB	1948	08/21/91
Pentachlorobenzene	45275	U 10.0	UG/L	8270	KB	1948	08/21/91
Pentachloronitrobenzene	45275	U 10.0	UG/L	8270	KB	1948	08/21/91
Phenacetin	45275	U 10.0	UG/L	8270	KB	1948	08/21/91
Pronamide	45275	U 10.0	UG/L	8270	KB	1948	08/21/91
Total Cyanide	45303	U 0.02	MG/L	335.2	PW	1258	08/15/91

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DESCRIPTION					SAMPLE ID		
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	INITIAL	TIME	DATE
Mercury	45293	U 0.001	MG/L	245.1	LC	1000	08/19/95
Silver	45293	U 0.025	MG/L	272.1	TS	1500	08/11/95
Arsenic	45293	U 0.025	MG/L	6010	LC	1900	08/17/95
Barium	45293	0.252	MG/L	6010	LC	1900	08/17/95
Cadmium	45293	U 0.003	MG/L	6010	TS	1615	08/16/95
Chromium	45293	U 0.05	MG/L	6010	LC	1900	08/17/95
Lead	45293	0.114	MG/L	6010	LC	1900	08/17/95
Selenium	45293	U 0.025	MG/L	6010	LC	1900	08/17/95

DESCRIPTION					SAMPLE ID		
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	INITIAL	TIME	DATE
Mercury	45284	U 0.001	MG/L	245.1	LP	1500	08/10/95
Silver	45284	U 0.025	MG/L	272.1	TS	1500	08/11/95
Arsenic	45284	U 0.025	MG/L	6010	LC	1800	08/17/95
Barium	45284	1.43	MG/L	6010	LC	1215	08/22/95
Cadmium	45284	0.004	MG/L	6010	TS	1545	08/16/95
Chromium	45284	U 0.05	MG/L	6010	LC	1800	08/17/95
Lead	45284	1.49	MG/L	6010	LC	1645	08/23/95
Selenium	45284	U 0.025	MG/L	6010	LC	1800	08/17/95

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515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
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CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
SUBMISSION NUMBER: 9508000052  
REPORTED DATE: 09/08/95  
INVOICE NUMBER: 5842

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
MW6 GRAB H2O							
SAMPLE DATE: 08/04/95							
Total Cyanide	45302	U 0.02	MG/L	335.2	PW	1258	08/15/95

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
MW6 GRAB H2O FILTERED							
SAMPLE DATE: 08/04/95							
Mercury	45292	U 0.001	MG/L	245.1	LP	1500	08/10/9
Silver	45292	U 0.025	MG/L	272.1	TS	1500	08/11/9
Arsenic	45292	U 0.025	MG/L	6010	LC	1900	08/17/9
Barium	45292	0.117	MG/L	6010	LC	1900	08/17/9
Cadmium	45292	U 0.003	MG/L	6010	TS	1615	08/16/9
Chromium	45292	U 0.05	MG/L	6010	LC	1900	08/17/9
Lead	45292	U 0.005	MG/L	6010	TS	1615	08/16/9
Selenium	45292	U 0.025	MG/L	6010	LC	1900	08/17/9

10/24/95

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515 NORTH LAURA ST. 6TH FLOOR  
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CLIENT JOB/PO NUMBER: B0099071      PROJECT NAME: BROWNS DUMP  
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<b>DESCRIPTION</b>				<b>SAMPLE ID</b>		
<b>PARAMETER</b>	<b>ORDER NUMBER</b>	<b>RESULT</b>	<b>UNITS</b>	<b>METHOD</b>	<b>ANALYST INITIAL</b>	<b>TIME DATE</b>
Mercury	45283	U 0.001	MG/L	245.1	LP	1500 08/10/95
Silver	45283	U 0.025	MG/L	272.1	TS	1500 08/11/95
Arsenic	45283	U 0.025	MG/L	6010	LC	1800 08/17/95
Barium	45283	0.155	MG/L	6010	LC	1800 08/17/95
Cadmium	45283	U 0.003	MG/L	6010	TS	1545 08/16/95
Chromium	45283	U 0.05	MG/L	6010	LC	1800 08/17/95
Lead	45283	0.111	MG/L	6010	TS	1800 08/17/95
Selenium	45283	U 0.025	MG/L	6010	LC	1800 08/17/95

<b>DESCRIPTION</b>				<b>SAMPLE ID</b>		
<b>PARAMETER</b>	<b>ORDER NUMBER</b>	<b>RESULT</b>	<b>UNITS</b>	<b>METHOD</b>	<b>ANALYST INITIAL</b>	<b>TIME DATE</b>
Acetone	45268	U 5.0	UG/L	8260	JG	1631 08/18/95
Benzene	45268	U 1.0	UG/L	8260	JG	1631 08/18/95
Tromobenzene	45268	U 5.0	UG/L	8260	JG	1631 08/18/95
Tromochloromethane	45268	U 5.0	UG/L	8260	JG	1631 08/18/95
Bromodichloromethane	45268	U 5.0	UG/L	8260	JG	1631 08/18/95
Bromoform	45268	U 5.0	UG/L	8260	JG	1631 08/18/95
Bromomethane	45268	U 5.0	UG/L	8260	JG	1631 08/18/95
2-Butanone (MEK)	45268	U 5.0	UG/L	8260	JG	1631 08/18/95

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 SUBMISSION NUMBER: 9508000052  
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PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	SAMPLE ID		
					INITIAL	TIME	DATE
N-Butyl Benzene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Sec-Butyl Benzene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
tert-Butyl Benzene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Carbon Disulfide	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Carbon tetrachloride	45268	U 3.0	UG/L	8260	JG	1631	08/18/95
Chlorobenzene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Chloroethane	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
2-chloroethyl vinyl ether	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Chloroform	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Chloromethane	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
2-Chlorotoluene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
4-Chlorotoluene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Dibromochloromethane	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Dichlorodifluoromethane	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
1,2-Dibromo-3-Chloropropane	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
1,2-Dibromoethane (EDB)	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Dibromomethane	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
1,2-Dichlorobenzene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
1,3-Dichlorobenzene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
1,4-Dichlorobenzene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
1,1-Dichloroethane	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
1,2-Dichloroethane	45268	U 3.0	UG/L	8260	JG	1631	08/18/95
1,1-Dichloroethene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
trans-1,2-Dichloroethene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
1,2-Dichloropropane	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
1,3-Dichloropropane	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
2,2-Dichloropropane	45268	U 5.0	UG/L	8260	JG	1631	08/18/95

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SUBMISSION NUMBER: 9508000052  
REPORTED DATE: 09/08/95  
INVOICE NUMBER: 5842

DESCRIPTION	SAMPLE ID
MW7 GRAB H2O	
SAMPLE DATE: 08/04/95	

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
1,1-Dichloropropene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Cis-1,3-Dichloropropene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
trans-1,3-Dichloropropene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Ethylbenzene	45268	U 2.0	UG/L	8260	JG	1631	08/18/95
Hexachlorobutadiene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
2-Hexanone (MBK)	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Iodomethane	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Isopropylbenzene (cumene)	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
p-Isopropyltoluene (p-cumene)	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Dichloromethane (MECL)	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
4-Methyl-2-pentanone (MIK)	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Naphthalene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
N-Propylbenzene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Styrene	45268	U 1.0	UG/L	8260	JG	1631	08/18/95
1,1,2,2-Tetrachloroethane	45268	U 1.0	UG/L	8260	JG	1631	08/18/95
1,1,1,2-Tetrachloroethane	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Tetrachloroethene	45268	U 3.0	UG/L	8260	JG	1631	08/18/95
Toluene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
1,2,3-Trichlorobenzene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
1,2,4-Trichlorobenzene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
1,1,1-Trichloroethane	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
1,1,2-Trichloroethane	45268	U 1.0	UG/L	8260	JG	1631	08/18/95
Trichloroethene	45268	U 1.0	UG/L	8260	JG	1631	08/18/95
Trichlorofluoromethane	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
1,2,3-Trichloropropane	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
1,2,4-Trimethylbenzene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
1,3,5-Trimethylbenzene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
m,p-Xylenes	45268	U 5.0	UG/L	8260	JG	1631	08/18/95

**Southeastern Environmental  
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**80 Industrial Loop North, Building 5**  
**Orange Park, FL 32073**  
**(904) 269-6176**

DHRS # 82315

DHRS E-82179

CQAP #880633G

**DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS**

**SAMPLED BY: CLIENT**  
**CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP**  
**SUBMISSION NUMBER: 9508000052**  
**REPORTED DATE: 09/08/95**  
**INVOICE NUMBER: 5842**

<b>PARAMETER</b>	<b>DESCRIPTION</b>				<b>SAMPLE ID</b>		
	<b>ORDER NUMBER</b>	<b>RESULT</b>	<b>UNITS</b>	<b>METHOD</b>	<b>ANALYST</b>	<b>INITIAL</b>	<b>TIME</b>
o-Xylene	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Vinyl acetate	45268	U 5.0	UG/L	8260	JG	1631	08/18/95
Vinyl chloride	45268	U 1.0	UG/L	8260	JG	1631	08/18/95
1,2,4-Trichlorobenzene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
1,2-Dichlorobenzene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
1,3-Dichlorobenzene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
1,4-Dichlorobenzene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
2,4,6-Trichlorophenol	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
2,4-Dichlorophenol	45274	U 4.0	UG/L	8270	KB	1837	08/21/95
2,4-Dimethylphenol	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
2,4-Dinitrophenol	45274	U 30.0	UG/L	8270	KB	1837	08/21/95
2,4-Dinitrotoluene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
2,6-Dinitrotoluene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
2-Chloronaphthalene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
2-Chlorophenol	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
2-Nitrophenol	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
3,3'-Dichlorobenzidine	45274	U 7.5	UG/L	8270	KB	1837	08/21/95
4,4'-DDD	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
4,4'-DDE	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
4,4'-DDT	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
4,6-Dinitro-2-Methylphenol	45274	U 50.0	UG/L	8270	KB	1837	08/21/95
4-Bromophenyl Phenyl Ether	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
4-Chloro-3-Methylphenol	45274	U 20.0	UG/L	8270	KB	1837	08/21/95
4-Chlorophenyl Phenyl Ether	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
4-Nitrophenol	45274	U 15.0	UG/L	8270	KB	1837	08/21/95
A-BHC	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Acenaphthene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Acenaphthylene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95

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CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
SUBMISSION NUMBER: 9508000052  
REPORTED DATE: 09/08/95  
INVOICE NUMBER: 5842

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST		
					INITIAL	TIME	DATE
Aldrin	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Anthracene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Aroclor-1016	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Aroclor-1221	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Aroclor-1232	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Aroclor-1242	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Aroclor-1248	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Aroclor-1254	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Aroclor-1260	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
B-BHC	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Benzidine	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Benzo(A)Anthracene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Benzo(A)Pyrene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Benzo(B)Fluoranthene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Benzo(G,H,I)Perylene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Benzo(K)Fluoranthene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Bis(2-Chloroethoxy)Methane	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Bis(2-Chloroethyl)Ether	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Bis(2-Chloroisopropyl)Ether	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Bis(2-Ethylhexyl)Phthalate	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Butyl Benzyl Phthalate	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Chlordane	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Chrysene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
-BHC	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
,i-N-Butylphthalate	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Di-N-Octylphthalate	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Dibenz(A,H)Anthracene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Dieルドrin	45274	U 10.0	UG/L	8270	KB	1837	08/21/95

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CQAP #880633G

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SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
SUBMISSION NUMBER: 9508000052  
REPORTED DATE: 09/08/95  
INVOICE NUMBER: 5842

DESCRIPTION	SAMPLE ID
MW7 GRAB H2O	
SAMPLE DATE: 08/04/95	

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Diethylphthalate	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Dimethylphthalate	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Endosulfan I	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Endosulfan II	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Endosulfan Sulfate	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Endrin Aldehyde	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Endrin	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Fluoranthene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Fluorene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
G-BHC (Lindane)	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Heptachlor Epoxide	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Heptachlor	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Hexachlorobenzene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Hexachlorobutadiene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Hexachlorocyclopentadiene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Hexachloroethane	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Indeno(1,2,3-CD)Pyrene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Isophorone	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
N-Nitroso-Di-N-Propylamine	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
N-Nitrosodimethylamine	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
N-Nitrosodiphenylamine	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Naphthalene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Nitrobenzene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Pentachlorophenol	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Phenanthrene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Phenol	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Pyrene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Toxaphene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95

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CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
 SOLID WASTE DIVISION  
 515 NORTH LAURA ST. 6TH FLOOR  
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SAMPLED BY: CLIENT  
 CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
 SUBMISSION NUMBER: 9508000052  
 REPORTED DATE: 09/08/95  
 INVOICE NUMBER: 5842

DESCRIPTION	SAMPLE ID
MW7 GRAB H2O	
SAMPLE DATE: 08/04/95	

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
1,2,4,5-Tetrachlorobenzene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
1,2-Diphenylhydrazine	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
1-Chloronaphthalene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
1-Naphthylamine	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
2,3,4,6-Tetrachlorophenol	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
2,4,5-Trichlorophenol	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
2,6-Dichlorophenol	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
2-Methylnaphthalene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
2-Methylphenol	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
2-Naphthylamine	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
2-Nitroaniline	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
2-Picoline	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
3-Methylcholanthrene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
3-Nitroaniline	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
4-Aminobiphenyl	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
4-Chloroaniline	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
4-Nitroaniline	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
7,12-Dimethylbenzo(A)Anthracene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
A-A-Dimethylphenethylamine	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Acetophenone	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Aniline	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Benzoic Acid	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Benzyl Alcohol	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
ibenz(A,J)Acridine	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
ibenzofuran	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Diphenylamine	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Ethyl Methanesulfonate	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Methoxychlor	45274	U 10.0	UG/L	8270	KB	1837	08/21/95

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SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
SUBMISSION NUMBER: 9508000052  
REPORTED DATE: 09/08/95  
INVOICE NUMBER: 5842

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Methyl Methanesulfonate	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
N-Nitroso-Di-N-Butylamine	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
N-Nitrosopiperidine	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
P-Dimethylaminoazobenzene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Pentachlorobenzene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Pentachloronitrobenzene	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Phenacetin	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Pronamide	45274	U 10.0	UG/L	8270	KB	1837	08/21/95
Total Cyanide	45301	U 0.02	MG/L	335.2	PW	1258	08/15/95

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Mercury	45291	U 0.001	MG/L	245.1	LP	1500	08/10/95
Silver	45291	U 0.025	MG/L	272.1	TS	1500	08/11/95
Rhenium	45291	U 0.025	MG/L	6010	LC	1900	08/17/95
Barium	45291	U 0.1	MG/L	6010	LC	1900	08/17/95
Cadmium	45291	U 0.003	MG/L	6010	TS	1615	08/16/95
Chromium	45291	U 0.05	MG/L	6010	LC	1900	08/17/95
Lead	45291	U 0.005	MG/L	6010	TS	1615	08/16/95

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515 NORTH LAURA ST. 6TH FLOOR  
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SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
SUBMISSION NUMBER: 9508000052  
REPORTED DATE: 09/08/95  
INVOICE NUMBER: 5842

DESCRIPTION	SAMPLE ID						
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
MW7 GRAB H2O FILTERED							
SAMPLE DATE: 08/04/95							
Selenium	45291	U 0.025 MG/L		6010	LC	1900	08/17/95

DESCRIPTION	SAMPLE ID						
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
MW7 GRAB H2O UNFILTERED							
SAMPLE DATE: 08/04/95							
Mercury	45282	U 0.001 MG/L		245.1	LP	1500	08/10/95
Silver	45282	U 0.025 MG/L		272.1	TS	1500	08/11/95
Arsenic	45282	U 0.025 MG/L		6010	LC	1800	08/17/95
Barium	45282	U 0.1 MG/L		6010	LC	1800	08/17/95
Cadmium	45282	U 0.003 MG/L		6010	TS	1545	08/16/95
Chromium	45282	U 0.05 MG/L		6010	LC	1800	08/17/95
Lead	45282	U 0.005 MG/L		6010	TS	1545	08/16/95
Selenium	45282	U 0.025 MG/L		6010	LC	1800	08/17/95

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PARAMETER	DESCRIPTION				SAMPLE ID		
	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Acetone	45265	U 5.0	UG/L	8260	JG	1321	08/18/91
Benzene	45265	U 1.0	UG/L	8260	JG	1321	08/18/91
Bromobenzene	45265	U 5.0	UG/L	8260	JG	1321	08/18/91
Bromoform	45265	U 5.0	UG/L	8260	JG	1321	08/18/91
Bromochloromethane	45265	U 5.0	UG/L	8260	JG	1321	08/18/91
Bromodichloromethane	45265	U 5.0	UG/L	8260	JG	1321	08/18/91
Bromomethane	45265	U 5.0	UG/L	8260	JG	1321	08/18/91
2-Butanone (MEK)	45265	U 5.0	UG/L	8260	JG	1321	08/18/91
N-Butyl Benzene	45265	U 5.0	UG/L	8260	JG	1321	08/18/91
Sec-Butyl Benzene	45265	U 5.0	UG/L	8260	JG	1321	08/18/91
tert-Butyl Benzene	45265	U 5.0	UG/L	8260	JG	1321	08/18/91
Carbon Disulfide	45265	U 5.0	UG/L	8260	JG	1321	08/18/91
Carbon tetrachloride	45265	U 3.0	UG/L	8260	JG	1321	08/18/91
Chlorobenzene	45265	U 5.0	UG/L	8260	JG	1321	08/18/91
Chloroethane	45265	U 5.0	UG/L	8260	JG	1321	08/18/91
2-chloroethyl vinyl ether	45265	U 5.0	UG/L	8260	JG	1321	08/18/91
Chloroform	45265	U 5.0	UG/L	8260	JG	1321	08/18/91
Chloromethane	45265	U 5.0	UG/L	8260	JG	1321	08/18/91
2-Chlorotoluene	45265	U 5.0	UG/L	8260	JG	1321	08/18/91
4-Chlorotoluene	45265	U 5.0	UG/L	8260	JG	1321	08/18/91
Dibromochloromethane	45265	U 5.0	UG/L	8260	JG	1321	08/18/91
Dichlorodifluoromethane	45265	U 5.0	UG/L	8260	JG	1321	08/18/91
1,2-Dibromo-3-Chloropropane	45265	U 5.0	UG/L	8260	JG	1321	08/18/91
1,2-Dibromoethane (EDB)	45265	U 5.0	UG/L	8260	JG	1321	08/18/91
Dibromomethane	45265	U 5.0	UG/L	8260	JG	1321	08/18/91
1,2-Dichlorobenzene	45265	U 5.0	UG/L	8260	JG	1321	08/18/91
1,3-Dichlorobenzene	45265	U 5.0	UG/L	8260	JG	1321	08/18/91
1,4-Dichlorobenzene	45265	U 5.0	UG/L	8260	JG	1321	08/18/91

DHRS # 82315

Southeastern Environmental  
Laboratories, Inc.  
80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

DHRS E-82179

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
SUBMISSION NUMBER: 9508000052  
REPORTED DATE: 09/08/95  
INVOICE NUMBER: 5842

PARAMETER	DESCRIPTION			SAMPLE ID			
	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
1,1-Dichloroethane	45265	U 5.0	UG/L	8260	JG	1321	08/18/95
1,2-Dichloroethane	45265	U 3.0	UG/L	8260	JG	1321	08/18/95
1,1-Dichloroethene	45265	U 5.0	UG/L	8260	JG	1321	08/18/95
Cis-1,2-Dichloroethene	45265	U 5.0	UG/L	8260	JG	1321	08/18/95
trans-1,2-Dichloroethene	45265	U 5.0	UG/L	8260	JG	1321	08/18/95
1,2-Dichloropropane	45265	U 5.0	UG/L	8260	JG	1321	08/18/95
1,3-Dichloropropane	45265	U 5.0	UG/L	8260	JG	1321	08/18/95
2,2-Dichloropropane	45265	U 5.0	UG/L	8260	JG	1321	08/18/95
1,1-Dichloropropene	45265	U 5.0	UG/L	8260	JG	1321	08/18/95
Cis-1,3-Dichloropropene	45265	U 5.0	UG/L	8260	JG	1321	08/18/95
trans-1,3-Dichloropropene	45265	U 5.0	UG/L	8260	JG	1321	08/18/95
Ethylbenzene	45265	U 2.0	UG/L	8260	JG	1321	08/18/95
Hexachlorobutadiene	45265	U 5.0	UG/L	8260	JG	1321	08/18/95
2-Hexanone (MBK)	45265	U 5.0	UG/L	8260	JG	1321	08/18/95
Iodomethane	45265	U 5.0	UG/L	8260	JG	1321	08/18/95
Isopropylbenzene (cumene)	45265	U 5.0	UG/L	8260	JG	1321	08/18/95
p-Isopropyltoluene (p-cumene)	45265	U 5.0	UG/L	8260	JG	1321	08/18/95
Dichloromethane (MECL)	45265	U 5.0	UG/L	8260	JG	1321	08/18/95
4-Methyl-2-pentanone (MIK)	45265	U 5.0	UG/L	8260	JG	1321	08/18/95
Naphthalene	45265	U 5.0	UG/L	8260	JG	1321	08/18/95
N-Propylbenzene	45265	U 5.0	UG/L	8260	JG	1321	08/18/95
Styrene	45265	U 1.0	UG/L	8260	JG	1321	08/18/95
1,1,2,2-Tetrachloroethane	45265	U 1.0	UG/L	8260	JG	1321	08/18/95
1,1,1,2-Tetrachloroethane	45265	U 5.0	UG/L	8260	JG	1321	08/18/95
Tetrachloroethene	45265	U 3.0	UG/L	8260	JG	1321	08/18/95
Toluene	45265	U 5.0	UG/L	8260	JG	1321	08/18/95
1,2,3-Trichlorobenzene	45265	U 5.0	UG/L	8260	JG	1321	08/18/95
1,2,4-Trichlorobenzene	45265	U 5.0	UG/L	8260	JG	1321	08/18/95

DHRS # 82315

**Southeastern Environmental  
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DHRS E-82179

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
SUBMISSION NUMBER: 9508000052  
REPORTED DATE: 09/08/95  
INVOICE NUMBER: 5842

PARAMETER	DESCRIPTION				SAMPLE ID		
	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
1,1,1-Trichloroethane	45265	U 5.0	UG/L	8260	JG	1321	08/18/95
1,1,2-Trichloroethane	45265	U 1.0	UG/L	8260	JG	1321	08/18/95
Trichloroethene	45265	U 1.0	UG/L	8260	JG	1321	08/18/95
Trichlorofluoromethane	45265	U 5.0	UG/L	8260	JG	1321	08/18/95
1,2,3-Trichloropropane	45265	U 5.0	UG/L	8260	JG	1321	08/18/95
1,2,4-Trimethylbenzene	45265	U 5.0	UG/L	8260	JG	1321	08/18/95
1,3,5-Trimethylbenzene	45265	U 5.0	UG/L	8260	JG	1321	08/18/95
m,p-Xylenes	45265	U 5.0	UG/L	8260	JG	1321	08/18/95
o-Xylene	45265	U 5.0	UG/L	8260	JG	1321	08/18/95
Vinyl acetate	45265	U 5.0	UG/L	8260	JG	1321	08/18/95
Vinyl chloride	45265	U 1.0	UG/L	8260	JG	1321	08/18/95
1,2,4-Trichlorobenzene	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
1,2-Dichlorobenzene	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
1,3-Dichlorobenzene	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
1,4-Dichlorobenzene	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
2,4,6-Trichlorophenol	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
2,4-Dichlorophenol	45271	U 4.0	UG/L	8270	KB	1349	08/21/95
2,4-Dimethylphenol	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
2,4-Dinitrophenol	45271	U 30.0	UG/L	8270	KB	1349	08/21/95
2,4-Dinitrotoluene	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
2,6-Dinitrotoluene	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
2-Chloronaphthalene	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
-Chlorophenol	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
-Nitrophenol	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
3,3'-Dichlorobenzidine	45271	U 7.5	UG/L	8270	KB	1349	08/21/95
4,4'-DDD	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
4,4'-DDE	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
4,4'-DDT	45271	U 10.0	UG/L	8270	KB	1349	08/21/95

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DHRS # 82315

DHRS E-82179

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
SUBMISSION NUMBER: 9508000052  
REPORTED DATE: 09/08/95  
INVOICE NUMBER: 5842

DESCRIPTION	SAMPLE ID
MW8 GRAB H2O	
SAMPLE DATE: 08/04/95	

PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
4,6-Dinitro-2-Methylphenol	45271	U 50.0	UG/L	8270	KB	1349	08/21/95
4-Bromophenyl Phenyl Ether	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
4-Chloro-3-Methylphenol	45271	U 20.0	UG/L	8270	KB	1349	08/21/95
4-Chlorophenyl Phenyl Ether	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
4-Nitrophenol	45271	U 15.0	UG/L	8270	KB	1349	08/21/95
A-BHC	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
Acenaphthene	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
Acenaphthylene	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
Aldrin	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
Anthracene	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
Aroclor-1016	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
Aroclor-1221	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
Aroclor-1232	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
Aroclor-1242	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
Aroclor-1248	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
Aroclor-1254	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
Aroclor-1260	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
B-BHC	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
Benzidine	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
Benzo(A)Anthracene	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
Benzo(A)Pyrene	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
Benzo(B)Fluoranthene	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
Benzo(G,H,I)Perylene	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
Benzo(K)Fluoranthene	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
Bis(2-Chloroethoxy)Methane	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
Bis(2-Chloroethyl)Ether	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
Bis(2-Chloroisopropyl)Ether	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
Bis(2-Ethylhexyl)Phthalate	45271	U 10.0	UG/L	8270	KB	1349	08/21/95

DHRS # 82315

DHRS E-82179

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CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
SUBMISSION NUMBER: 9508000052  
REPORTED DATE: 09/08/95  
INVOICE NUMBER: 5842

DESCRIPTION					SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST	INITIAL	TIME	DATE
Butyl Benzyl Phthalate	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
Chlordane	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
Chrysene	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
D-BHC	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
Di-N-Butylphthalate	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
Di-N-Octylphthalate	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
Dibenz(A,H)Anthracene	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
Dieldrin	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
Diethylphthalate	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
Dimethylphthalate	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
Endosulfan I	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
Endosulfan II	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
Endosulfan Sulfate	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
Endrin Aldehyde	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
Endrin	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
Fluoranthene	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
Fluorene	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
G-BHC (Lindane)	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
Heptachlor Epoxide	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
Heptachlor	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
Hexachlorobenzene	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
Hexachlorobutadiene	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
Hexachlorocyclopentadiene	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
Hexachloroethane	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
Indeno(1,2,3-CD)Pyrene	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
Isophorone	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
N-Nitroso-Di-N-Propylamine	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
N-Nitrosodimethylamine	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	

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DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
SUBMISSION NUMBER: 9508000052  
REPORTED DATE: 09/08/95  
INVOICE NUMBER: 5842

PARAMETER	ORDER NUMBER	DESCRIPTION				SAMPLE ID		
		RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE	
N-Nitrosodiphenylamine	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
Naphthalene	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
Nitrobenzene	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
Pentachlorophenol	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
Phenanthrene	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
Phenol	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
Pyrene	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
Toxaphene	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
1,2,4,5-Tetrachlorobenzene	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
1,2-Diphenylhydrazine	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
1-Chloronaphthalene	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
1-Naphthylamine	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
2,3,4,6-Tetrachlorophenol	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
2,4,5-Trichlorophenol	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
2,6-Dichlorophenol	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
2-Methylnaphthalene	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
2-Methylphenol	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
2-Naphthylamine	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
2-Nitroaniline	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
2-Picoline	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
3-Methylcholanthrene	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
3-Nitroaniline	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
4-Aminobiphenyl	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
4-Chloroaniline	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
4-Nitroaniline	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
7,12-Dimethylbenzo(A)Anthracene	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
A-A-Dimethylphenethylamine	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	
Acetophenone	45271	U 10.0	UG/L	8270	KB	1349	08/21/95	

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515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
SUBMISSION NUMBER: 9508000052  
REPORTED DATE: 09/08/95  
INVOICE NUMBER: 5842

PARAMETER	ORDER NUMBER	DESCRIPTION			SAMPLE ID		
		RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Aniline	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
Benzoic Acid	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
Benzyl Alcohol	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
Dibenz(A,J)Acridine	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
Dibenzofuran	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
Diphenylamine	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
Ethyl Methanesulfonate	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
Methoxychlor	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
Methyl Methanesulfonate	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
N-Nitroso-Di-N-Butylamine	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
N-Nitrosopiperidine	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
P-Dimethylaminoazobenzene	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
Pentachlorobenzene	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
Pentachloronitrobenzene	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
Phenacetin	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
Pronamide	45271	U 10.0	UG/L	8270	KB	1349	08/21/95
Total Cyanide	45296	U 0.02	MG/L	335.2	PW	1258	08/15/95

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SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMP  
SUBMISSION NUMBER: 9508000052  
REPORTED DATE: 09/08/95  
INVOICE NUMBER: 5842

	DESCRIPTION	SAMPLE ID					
MW8 GRAB H2O FILTERED							
SAMPLE DATE:	08/04/95						
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Mercury	45286	U 0.001	MG/L	245.1	LP	1500	08/10/95
Silver	45286	U 0.025	MG/L	272.1	TS	1500	08/11/95
Arsenic	45286	U 0.025	MG/L	6010	LC	1830	08/17/95
Barium	45286	U 0.1	MG/L	6010	LC	1830	08/17/95
Cadmium	45286	U 0.003	MG/L	6010	TS	1550	08/16/95
Chromium	45286	U 0.05	MG/L	6010	LC	1830	08/17/95
Lead	45286	0.007	MG/L	6010	TS	1550	08/16/95
Selenium	45286	U 0.025	MG/L	6010	LC	1830	08/17/95

	DESCRIPTION	SAMPLE ID					
MW8 GRAB H2O UNFILTERED							
SAMPLE DATE:	08/04/95						
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Mercury	45277	U 0.001	MG/L	245.1	LP	1500	08/10/95
Silver	45277	U 0.025	MG/L	272.1	TS	1500	08/11/95
Arsenic	45277	U 0.025	MG/L	6010	LC	1745	08/17/95
Barium	45277	0.184	MG/L	6010	LC	1745	08/17/95
Cadmium	45277	U 0.003	MG/L	6010	TS	1515	08/16/95
Chromium	45277	U 0.05	MG/L	6010	LC	1745	08/17/95
Lead	45277	0.020	MG/L	6010	TS	1745	08/17/95
Selenium	45277	U 0.025	MG/L	6010	LC	1745	08/17/95

**Southeastern Environmental  
Laboratories, Inc.**  
**80 Industrial Loop North, Building 5**  
**Orange Park, FL 32073**  
**(904) 269-6176**

DHRS # 82315

DHRS E-82179

**SOUTHEASTERN ENVIRONMENTAL LABORATORIES, INC.  
SUBMISSION RECEIVAL FORM**

**SUBMISSION #:** 9508000052

**DATE RECEIVED:** 08/07/95

**CLIENT NAME:** DEPARTMENT OF PUBLIC UTILITIES

ORDER #	FIELD ID	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME
45264		EQ GRAB H2O	08/04/95	10:28
45265		MW8 GRAB H2O	08/04/95	10:30
45266		MW4 GRAB H2O	08/04/95	11:30
45267		MW3 GRAB H2O	08/04/95	13:18
45268		MW7 GRAB H2O	08/04/95	13:55
45269		MW5 GRAB H2O	08/04/95	15:20
45270		EQ GRAB H2O	08/04/95	10:28
45271		MW8 GRAB H2O	08/04/95	10:30
45272		MW4 GRAB H2O	08/04/95	11:30
45273		MW3 GRAB H2O	08/04/95	13:18
45274		MW7 GRAB H2O	08/04/95	13:55
45275		MW5 GRAB H2O	08/04/95	15:20
45276		EQ GRAB H2O UNFILTERED	08/04/95	10:28
45277		MW8 GRAB H2O UNFILTERED	08/04/95	10:30
45278		MW4 GRAB H2O UNFILTERED	08/04/95	11:30
45279		MW1 GRAB H2O UNFILTERED	08/04/95	12:16
45280		MW2 GRAB H2O UNFILTERED	08/04/95	12:45
45281		MW3 GRAB H2O UNFILTERED	08/04/95	13:18
45282		MW7 GRAB H2O UNFILTERED	08/04/95	13:55
45283		MW6 GRAB H2O UNFILTERED	08/04/95	14:20
45284		MW5 GRAB H2O UNFILTERED	08/04/95	15:20
45285		DUP - 1 GRAB H2O UNFILTERED	08/04/95	00:00
45286		MW8 GRAB H2O FILTERED	08/04/95	10:30
45287		MW4 GRAB H2O FILTERED	08/04/95	11:30
45288		MW1 GRAB H2O FILTERED	08/04/95	12:16
45289		MW2 GRAB H2O FILTERED	08/04/95	12:45
45290		MW3 GRAB H2O FILTERED	08/04/95	13:18
45291		MW7 GRAB H2O FILTERED	08/04/95	13:55
45292		MW6 GRAB H2O FILTERED	08/04/95	14:20
45293		MW5 GRAB H2O FILTERED	08/04/95	15:20
45294		DUP - 1 GRAB H2O FILTERED	08/04/95	00:00
45295		EQ GRAB H2O	08/04/95	10:28
45296		MW8 GRAB H2O	08/04/95	10:30
45297		MW4 GRAB H2O	08/04/95	11:30
45298		MW1 GRAB H2O	08/04/95	12:16
45299		MW2 GRAB H2O	08/04/95	12:45
45300		MW3 GRAB H2O	08/04/95	13:18
45301		MW7 GRAB H2O	08/04/95	13:55
45302		MW6 GRAB H2O	08/04/95	14:20

DHRS # 82315

Southeastern Environmental  
Laboratories, Inc.  
80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

DHRS E-82179

SOUTHEASTERN ENVIRONMENTAL LABORATORIES, INC.  
SUBMISSION RECEIVAL FORM

SUBMISSION #: 9508000052

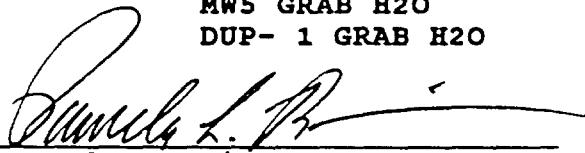
DATE RECEIVED: 08/07/95

CLIENT NAME: DEPARTMENT OF PUBLIC UTILITIES

ORDER #	FIELD ID	SAMPLE DESCRIPTION
45303		MWS GRAB H <sub>2</sub> O
45304		DUP- 1 GRAB H <sub>2</sub> O

SAMPLE	SAMPLE
DATE	TIME
08/04/95	15:20
08/04/95	00:00

Approved By:



Pamela L. Rivers  
Laboratory Manager

Southeastern Environmental  
Laboratories, Inc.  
80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

CH NC. CLTCLYI.LC..D  
Client: EMCN (Brown's Dump 71355.020.010)  
8021 Phillips Hwy Suite 12  
JAX FL.

PROJECT DESCRIPTION BROWN'S DUMP 71355.020.010 ATTN:

SAMPLER (SIGNATURE) William A. Grimes

95-8-52

Page 1 of 1

FIELD ID #	DATE	TIME (MILITARY)	SAMPLE DESCRIPTION	ANALYSIS REQUEST												FT. DTW	COND.	TEMP.	pH	D.O.
				5260	8270	RCPA	4505	PCPA	294	ANALY	METALS	LEAD	CHLORINE	IRON	P					
EQ	8/4/95	1028	GRAB H <sub>2</sub> O	X	X															
mw8		1030		X	X	X	X													
mw4		1130		X	X	X	X													
mw1		1216		X	X	X														
mw2		1245		X	X	X														
mw3		1318		X	X	X	X													
mw7		1355		X	X	X	X													
mw6		1420		X	X	X	X													
mw5		1520		X	X	X	X													
DUP-1				X	X	X														
RELINQUISHED BY (SIGNATURE)	DATE	TIME (MILITARY)	RECEIVED BY (SIGNATURE)	DATE	TIME (MILITARY)	RELINQUISHED BY (SIGNATURE)	DATE	TIME (MILITARY)	RECEIVED BY (SIGNATURE)	DATE	TIME (MILITARY)	RELINQUISHED BY (SIGNATURE)	DATE	TIME (MILITARY)	RECEIVED BY (SIGNATURE)	DATE	TIME (MILITARY)			
William A. Grimes	8/5/95	8:50	Jane Befle	8/5/95	8:50															
RELINQUISHED BY (SIGNATURE)	DATE	TIME (MILITARY)	RECEIVED BY (SIGNATURE)	DATE	TIME (MILITARY)	REMARKS:														



## CHAIN OF CUSTODY RECORD

## PARAMETERS

PROJ. NO.	PROJECT NAME AND ADDRESS					NO. OF CONTAINERS	PARAMETERS												
1555.070.0W	BROWN'S DUMP 4330 PEACE ST JAX FL.						Pb (unfilled)		Pb (filled)		Cd (unfilled)		Cd (filled)		Hg (unfilled)		Hg (filled)		
SAMPLERS: (Signature)																			REMARKS
STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	1	X												
EQ	10/12	1015		X		2		X	X										
MW8	10/12	1040		X		2													
MW4	10/12	1120		X		2		X	X										
MW6	10/12	1215		X		2		X	X										
MW5	10/12	1305		X		2		X	X										
Relinquished by: (Signature)	Date/Time:		Received by: (Signature)			10/12/95	Relinquished by: (Signature)	Date/Time:		Received by: (Signature)									
V.A. G... C...	10/12/95		S. J. OTTER SOUTHERN INVESTIGATORS			10/12/95 1400													
Relinquished by: (Signature)	Date/Time:		Received by: (Signature)				Relinquished by: (Signature)	Date/Time:		Received by: (Signature)									
Relinquished by: (Signature)	Date/Time:		Received for Laboratory by: (Signature)			Date/Time:	Remarks	10/12/95		DIAW 10/12/95									

## EMCON Field Notebook

		Wind Speed:		Knots		QC Samples		In-Place Plumbing	
		1 - 70				Wells Duplicated			
Site Name: B2.0's Dump / <del>MAN</del> Bermuda Elm St.		Direction: SE				DUP 1, MW1		Well ID:	
Site Address: 4330 Peacock St JAX		Cloud Cover: 60 %						Flow Rate Purged:	
EMCON Project Number: 7.355.020.010		Rain: 0						How Long Purged:	
Landmarks:		Well Construction:						Flow Rate At Collection:	
Date Collected	8/4/95	8/4/95	8/4/95	8/4/95	8/4/95	8/4/95	8/4/95	Plumbing and Tap Construction	
Well ID/Size	CAL	EQ	2	2	DUP1	2	MW2		
Time Collected	1000	10:18	10:30	11:30	12:10		12:45	Surface Water: Depth of Collection:	
pH	7.401	7.31	7.14	6.65	5.67	5	5.22	Sediments and Soils	
	7.00	7.18	7.18	6.33	5.56	5	5.47		
	7.19	6.31/6.5	5.57	5.57	5.53	5	4.97		
Temp. (C)	14.3	27.7	30.7	30.5	30.2	28	29.3	Sample ID	Source/Depth Quantity of Compos
	2	2	2	2	2	2	28.4		Drilling Method/ Mud type
	31.0	31.0	27.3	27.3	28.2	28.2	28.5		
Specific Cond.	10031	17	1041	742	666	59	604	TUJB.0.17	DO
	2	2	1083	691	60	59	603		
	3	2	1102	798/411	59	59	601	70 NTU	<1
Total Depth			10.37	10.21	15.25		14.77	MW4	69 NTU
Water Level			4.20	5.11	5.69		2.21	MW1	75 NTU
Well Volume X 3 Minimum			2.66	3.26	10.11		8.03	MW2	<100 NTU (>100 =?)
Time Well Purged			1001	10:55	11:45		1220		
Total Purged			5.0 gal	7.0 gal.	15.0 gal.		15.0 gal.		
pH Checked									
Order of Collection		1	2	3	4	5		COMMENTS: MW8 purged daily to 2.5 gal. purged day to 5.0 gal.	
Field QC	pH=	pH=	pH=	pH=	pH=	pH=	pH=		
	T=	T=	T=	T=	T=	T=	T=		
	Cu	Cu	Cu	Cu	Cu	Cu	Cu		
Preservative Used and Quantity									
Sampler's and visitors Name: Chris Gaultier Dr. Gaultier									
Field Team Leader: Al Gau		Date Sampled: 8/4/95				blanks		EQ	

## EMCON Field Notebook

			Wind Speed:	Knots		QC Samples	In-Place Plumbing
			Direction:	S E		Wells Duplicated	
Site Name: Bear's Den			Cloud Cover: 60 %			Dup 1 MW1	Well ID: ~1
Site Address: 4315 P-Force St - JAM 51			Rain: 0				Flow Rate Purged:
EMCON Project Number: 71355 00.010			Well Construction: 2" pvc				How Long Purged:
Landmarks:							Flow Rate At Collection:
Date Collected	8/4/95	8/4/95	8/4/95	8/4/95	8/4/95	8/4/95	Plumbing and Tap Construction
Well ID/Size	MW3	2 MW7	2 MW4	CAL	MW5	CAL	
Time Collected	1318	1333	1420	1423	1520	1525	Surface Water: Depth of Collection: ~1a
pH	7.34	7.86	7.21	7.00	7.97	7.25	
	7.47	6.75	7.03	7.09	/	/	
	7.47	6.50	6.99	/	/	/	
Temp. (C)	26.4	32.7	30.1	29.5	36.8	/	
	27.3	28.4	26.8	/	33.8	/	
	27.1	26.8	25.5	/	/	/	
Specific Cond.	759	401	934	10040	868	/	TURBIDITY
	725	324	950	/	877	/	
	700	310	954	/	/	/	83 NTU IND
Total Depth	13.19	23.15	25.88	1072			90 NTU STNT
Water Level	5.06	11.87	14.43	465			62.0 NTU
Well Volume X 3 Minimum	5.20	7.21	7.32	3.88			100 NTU
Time Well Purged	1254	1328	1402	1425			
Total Purged	9 gal.	11.0 gal.	10 gal.	1.0 gal.			
pH Checked							
Order of Collection	6	7	8	9			COMMENTS:
Field QC	pH=	pH=	pH=	pH= 7.03	pH=	pH= 7.01	MW5 purged dry @ 0.5 gal. purged dry @ 1.0 gal. 1st slow recovery
	T=	T=	T=	T=	T=	T=	
	C=	C=	C=	C=	C=	C=	
Preservative Used and Quantity							
Sampler's and visitors Name:	AL GUNNARSEN CURT GUNNARSEN						
Field Team Leader:	AL G			Date Sampled:	8/4/95	blanks	FQ

## Table of Water Level Data

Project No. 71355. 020. 010  
Benn's Dam

Date 8/4/95

Water Levels Collected by: AL GRAVITTE  
CHAD GUNTER

EMCON

J.C. Number

## Balle, Control

71355 C20 012

## Field Equipment Checklist

Project Number	Project Name						Client
7155.020.010	Brent Jumper						
Date	Office	Deerfield Beach	Jacksonville	Tampa	Meter Calibration	Calibrants	
Field Equipment	ID (if applicable)				Conductivity Meter	447 umhos/cm	
Centrifugal Pump						2070 umhos/cm	
SS Rod and Hose						1413 umhos/cm	
Calibrating Solutions						Alpha-Trol 168	
QC Solutions							
Conductivity Meter					Turbidimeter	2.2 NTU	
pH Meter					Dissolved Oxygen	20.9	
Thermometer							
Coolers					pH meter	Buffer 4.0	
Ice						Buffer 7.0	
Sampling Kit						Buffer 10.0	
Gloves						Alpha-Trol 4.- 4.4	
Lanyards					Temperature		
Ballers						Deviation	
Beakers					(NIST vs Meter) 30.5		
5 Gal Bucket					(Conductivity) 30.2	-0.3	
Analyte free water					(pH meter) 30.6	+0.1	
Drum/Tap Water					Date 7/25/95 to 8/25/95		
Isopropyl Alcohol					Comments		
Liquinox							
Tool Box							
Respirators							
Site Map							
Sampling Request							
Field Notebooks							
Trip Blanks	10						
Interface probe							
Keys to well locks							
Copy of CompQAP							
Copy of EPA SOP							
Chain of Custody					Technicians Signature		
Bubble Pack	1						
Caps & Locks	X				QA/QC Review Signature		

**Southeastern Environmental  
Laboratories, Inc.  
80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176**

## CHAIN OF CUSTODY RECORD

Client: EMCOR (Brown's Pump 71355.020.010)  
8021 Phillips Hwy Suite 12  
JAX FL.

PROJECT DESCRIPTION BROWN'S DUMP 71355.D20.010 ATTN:

FIELD ID #	DATE	TIME (MILITARY)	SAMPLE DESCRIPTION	NO. OF SAMPLE CONTAINERS											
				5260	8270	0920	RCRA	2 CAA	CYANIDE	METALS	UNL. HAZ.	METALS	UNL. HAZ.	P	D
EQ	8/4/95	1028	GRAB H <sub>2</sub> O	X	X	X									
MW8		1030		X	X	X									
MW4		1130		X	X	X									
MW1		1214		X	X	X									
MW2		1245		X	X	X									
MW3		1318		X	X	X									
MW7		1355		X	X	X									
MW6		1420		X	X	X									
MW5		1520		X	X	X									
DR P-1				X	X	X									
RELINQUISHED BY (SIGNATURE)	DATE	TIME (MILITARY)	RECEIVED BY (SIGNATURE)	DATE	TIME (MILITARY)	RELINQUISHED BY (SIGNATURE)	DATE	TIME (MILITARY)	RECEIVED BY (SIGNATURE)	DATE	TIME (MILITARY)				
Wilma A. Gandy	7/5	1:53	Jeanne F. B. Jr.	7/5	1:50										
RELINQUISHED BY (SIGNATURE)	DATE	TIME (MILITARY)	RECEIVED BY (SIGNATURE)	DATE	TIME (MILITARY)	REMARKS:									

DHRS # 82315

DHRS E-82179

**RECEIVED** **Southeastern Environmental  
Laboratories, Inc.**  
80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
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OCT 19 1995

EMCON

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
JACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMPS SITE  
SUBMISSION NUMBER: 9510000110  
REPORTED DATE: 10/16/95  
INVOICE NUMBER: 6130

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Lead	49004	U 0.005	MG/L	6010	TS	1000	10/16/95

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
MW4 FILTERED							
SAMPLE DATE: 10/12/95							
Lead	49010	U 0.005	MG/L	6010	TS	1000	10/16/95

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
MW4 UNFILTERED							
SAMPLE DATE: 10/12/95							
Lead	49006	U 0.005	MG/L	6010	TS	1000	10/16/95

DHRS # 82315

DHRS E-82179

Southeastern Environmental  
Laboratories, Inc.  
80 Industrial Loop North, Building 5  
Orange Park, FL 32073  
(904) 269-6176

CQAP #880633G

DEPARTMENT OF PUBLIC UTILITIES  
SOLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
ACKSONVILLE, FL 32202-3156  
ATTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMPS SITE  
SUBMISSION NUMBER: 9510000110  
REPORTED DATE: 10/16/95  
INVOICE NUMBER: 6130

DESCRIPTION				SAMPLE ID			
MW5 FILTERED							
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	INITIAL	TIME	DATE
Lead	49012	U 0.005	MG/L	6010	TS	1000	10/16/95

DESCRIPTION				SAMPLE ID			
MW5 UNFILTERED							
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	INITIAL	TIME	DATE
Lead	49008	0.031	MG/L	6010	TS	1000	10/16/95

DESCRIPTION				SAMPLE ID			
MW6 FILTERED							
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	INITIAL	TIME	DATE
Lead	49011	U 0.005	MG/L	6010	TS	1000	10/16/95

DHRS # 82315

Southeastern Environmental  
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Orange Park, FL 32073  
(904) 269-6176

DHRS E-82179

CQAP #880633G

EPARTMENT OF PUBLIC UTILITIES  
OLID WASTE DIVISION  
515 NORTH LAURA ST. 6TH FLOOR  
ACKSONVILLE, FL 32202-3156  
TTN: LARY PERKINS

SAMPLED BY: CLIENT  
CLIENT JOB/PO NUMBER: B0099071 PROJECT NAME: BROWNS DUMPS SITE  
SUBMISSION NUMBER: 9510000110  
REPORTED DATE: 10/16/95  
INVOICE NUMBER: 6130

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Lead	49007	U 0.005	MG/L	6010	TS	1000	10/16/95

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Lead	49009	U 0.005	MG/L	6010	TS	1000	10/16/95

DESCRIPTION				SAMPLE ID			
PARAMETER	ORDER NUMBER	RESULT	UNITS	METHOD	ANALYST INITIAL	TIME	DATE
Lead	49005	U 0.005	MG/L	6010	TS	1000	10/16/95

**Southeastern Environmental  
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**(904) 269-6176**

DHRS # 82315

DHRS E-82179

**SOUTHEASTERN ENVIRONMENTAL LABORATORIES, INC.  
SUBMISSION RECEIVAL FORM**

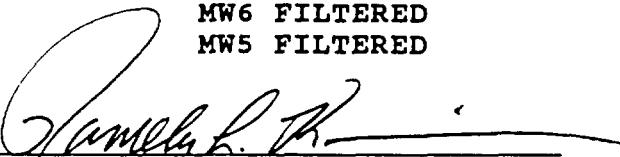
MISSION #: 9510000110

TE RECEIVED: 10/12/95

IENT NAME: DEPARTMENT OF PUBLIC UTILITIES

ORDER #	FIELD ID	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME
49004		EQUIPMENT BLANK UNFILTERED	10/12/95	10:15
49005		MW8 UNFILTERED	10/12/95	10:40
49006		MW4 UNFILTERED	10/12/95	11:20
49007		MW6 UNFILTERED	10/12/95	12:15
49008		MW5 UNFILTERED	10/12/95	13:05
49009		MW8 FILTERED	10/12/95	10:40
49010		MW4 FILTERED	10/12/95	11:20
9011		MW6 FILTERED	10/12/95	12:15
9012		MW5 FILTERED	10/12/95	13:05

pproved By:



Pamela L. Rivers  
Laboratory Manager

# **EMC Field Notebook**

Site Name: Bonsai Park

Site Address: 4335 PENNSY LN, FL

EMCON Project Number: 71355 Rev. B16

### Landmarks

Wind Speed: 1-5 Knts

Direction: NE

Cloud Cover: 55%

Ralph: ♂

#### Well Construction: > "

**QC Samples  
Wells Duplicated**

PAGE ONE

In-Place Plumbing

Well ID: 410

Flow Rate Purged:

### **How Long Purged:**

**Flow Rate Al Collection:**

Well Construction & PVC								Flow Rate At Collection				
Date Collected	10/12/95	10/12/95	10/12/95	10/12/95	10/12/95	10/12/95	10/12/95	Plumbing and Tap Construction				
Well ID/Size	CAL	EQ	MW8	DIP BITTING	2"	MW4	MW6	MW5				
Time Collected	10:00	10:15	10:40			11:20	12:15	13:05	Surface Water: Depth of Collection: N/A			
pH	7.401	7.81	6.91	7.04	7.12	7.31	7.10	7.07	Sediments and Soils			
Temp. (C)	21.2	25.2	24.7	25.2	24.4	24.9	24.3	24.3	Sample ID	Source/Depth Quantity of compos		
Specific Cond.	120	8	1041	910	983	886	1002	789		Drilling Method Mud Type		
Total Depth			10.40	10.10	25.45	11.15						
Water Level			5.26	4.86	14.11	4.49						
Well Volume X 3 Minimum			3.28	3.35	7.25	4.26						
Time Well Purged			10:20	11:00	11:55	12:25						
Total Purged			5.5 gal	13.0 gal	7.5 gal	1.75 gal	Y CALIBRATION, EXTRACTION TIME = 15:13:10					
pH Checked	<2	<2		<2	<2	<2						
Order of Collection		1	3	3	4	5	COMMENTS: TURBIDITY READINGS Flowrate					
Field QC	pH=7.01	pH=	pH=	pH=	pH=	pH=7.02	MW8 - 4.1NTU ; 2.0NTU ; 1.8NTU MW4 - 17.0NTU ; 8.8NTU ; 3.1NTU MW6 - 7.1NTU ; 5.8NTU ; 5.2NTU MW5 - 18.0NTU ; 15.0NTU ; 20.0NTU					
Preservative Used and Quantity						T=	T= 25.0					
Gampler's and visitors Name	Reece Gentryville NC Gentryville											
Field Team Leader:	A. Gentry				Data Sampled:							
	<i>A. Gentry</i>				10/12/95	blanks	EQ					

**APPENDIX D**  
**AQUIFER CHARACTERISTICS**

## SLUG TEST METHOD FOR UNCONFINED AQUIFERS

REFERENCE: Bouwer, H., and R. C. Rice. 1976. A slug test method for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells. Water Resources Research 12 (3):423-428.

SOLUTION:

$$\ln s_0 - \ln s_t = \frac{2 K L t}{r_c^2 \ln(r_e/r_w)}$$

where:

$s_0$	=	initial drawdown in well due to instantaneous removal of water from well [L]
$s_t$	=	drawdown in well at time $t$ [L]
$L$	=	length of well screen [L]
$r_c$	=	radius of well casing [L]
$\ln(r_e/r_w)$	=	empirical "shape factor" determined from tables provided in Bouwer and Rice (1976)
$r_e$	=	equivalent radius over which head loss occurs [L]
$r_w$	=	radius of well (including gravel pack) [L]
$H$	=	static height of water in well [L]
$b$	=	saturated thickness of aquifer

### Hydraulic Conductivity

$$\begin{aligned}
 \text{MW-1} &= 0.0031 \text{ ft/min} \times 1,440 \text{ min/day} & = & 4.464 \text{ ft/day} \\
 \text{MW-4} &= 0.0057 \text{ ft/min} \times 1,440 \text{ min/day} & = & 8.208 \text{ ft/day} \\
 \text{MW-8} &= 0.0027 \text{ ft/min} \times 1,440 \text{ min/day} & = & 3.888 \text{ ft/day} \\
 K_h &= 0.0038 \text{ ft/min} \\
 K_h &= 5.520 \text{ ft/day}
 \end{aligned}$$

### Hydraulic Gradient

$$\begin{aligned}
 \text{MW-2 to MW-4} &\quad \frac{\underline{29.35 \text{ ft} - 22.48 \text{ ft}}}{285 \text{ ft}} = \frac{\underline{6.87 \text{ ft}}}{285 \text{ ft}} = 0.024 \text{ ft/ft} \\
 \text{MW-3 to MW-6} &\quad \frac{\underline{27.55 \text{ ft} - 16.97 \text{ ft}}}{344 \text{ ft}} = \frac{\underline{10.58 \text{ ft}}}{344 \text{ ft}} = 0.031 \text{ ft/ft} \\
 \text{MW-8 to MW-7} &\quad \frac{\underline{26.66 \text{ ft} - 19.56 \text{ ft}}}{123 \text{ ft}} = \frac{\underline{7.10 \text{ ft}}}{123 \text{ ft}} = 0.058 \text{ ft/ft} \\
 \text{Average Gradient} &= 0.038 \text{ ft/ft}
 \end{aligned}$$

### Groundwater Velocity

$$V_h = \frac{K_h \times I}{n_e}$$

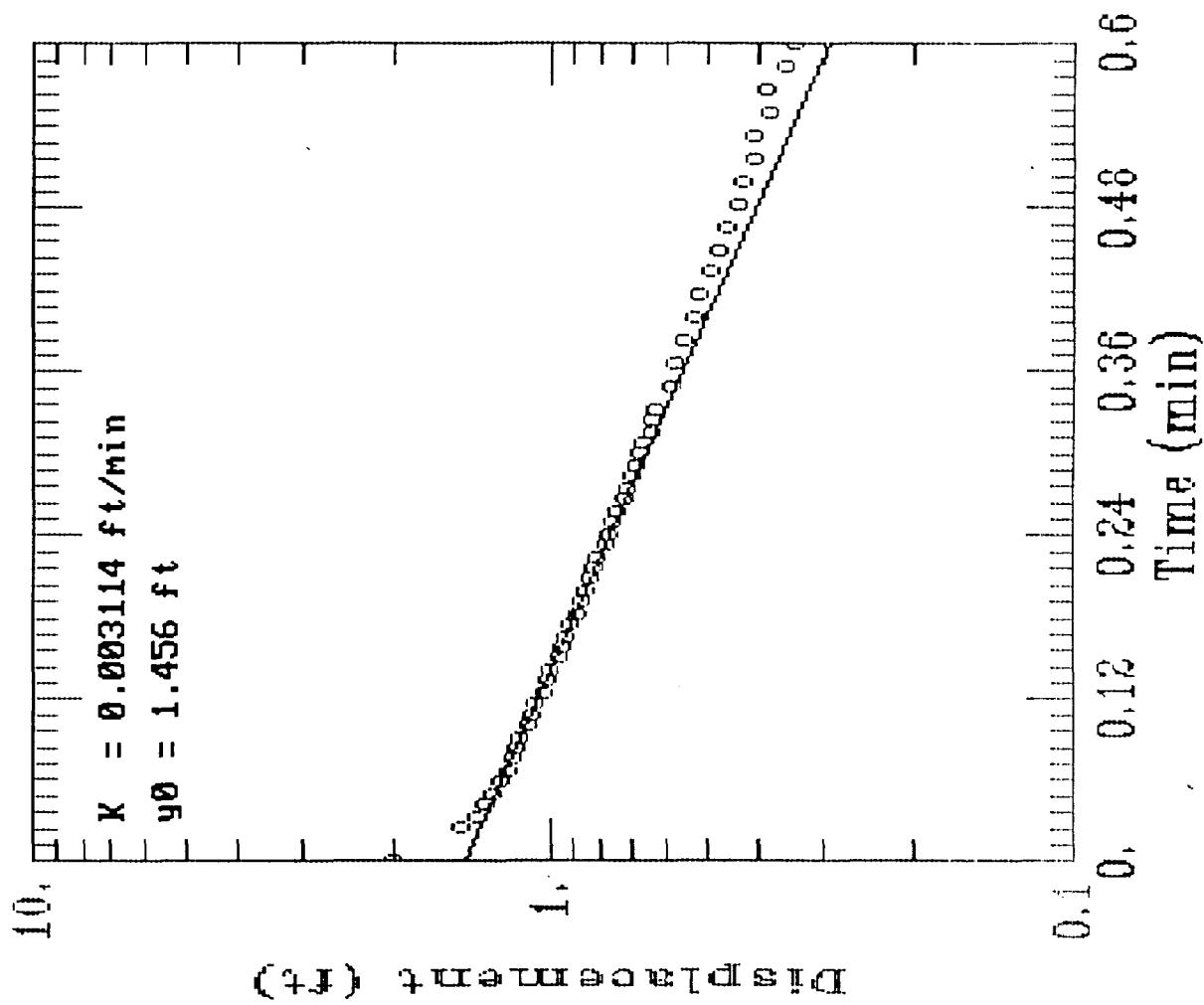
where,  $V_h$  = Horizontal Velocity of Groundwater Flow (ft/day)  
 $K_h$  = Hydraulic Conductivity (ft/day)  
 $I$  = Hydraulic Gradient (ft/ft)  
 $n_e$  = Effective Porosity

$$\begin{aligned}
 V_h &= \frac{\underline{3.888 \text{ ft/day} \times 0.038 \text{ ft/ft}}}{0.20} \\
 &= 0.73872 \text{ ft/day}
 \end{aligned}$$

0.74 ft/day or 270 ft/yr

$$\begin{aligned}
 V_h &= \frac{\underline{8.208 \text{ ft/day} \times 0.038 \text{ ft/ft}}}{0.20} \\
 &= 1.55952 \text{ ft/day} \\
 &= 1.6 \text{ ft/day or } \approx 569 \text{ ft/yr}
 \end{aligned}$$

Brown's Dump Site: MW-1



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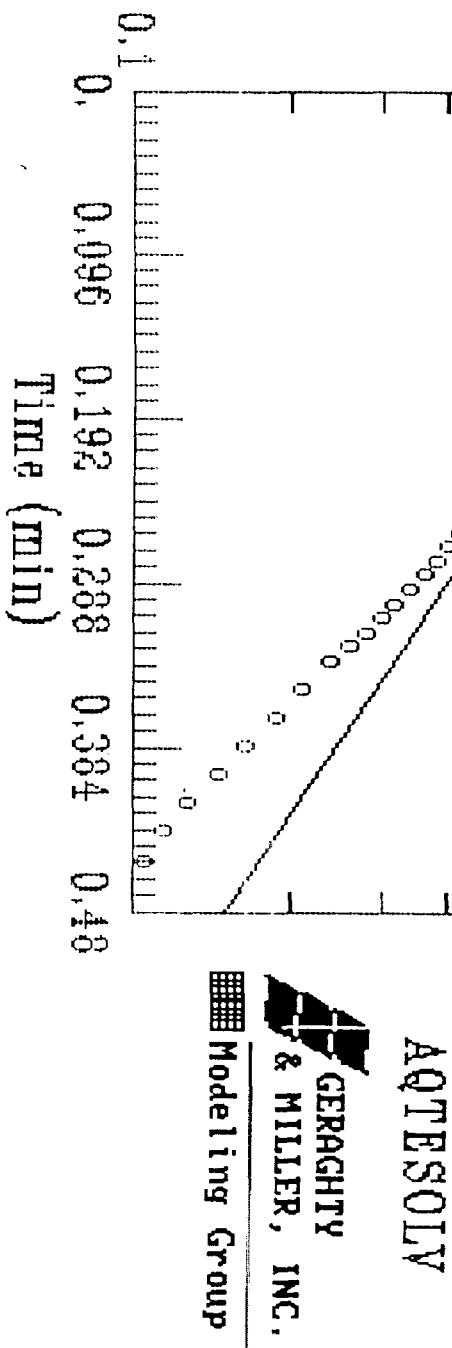
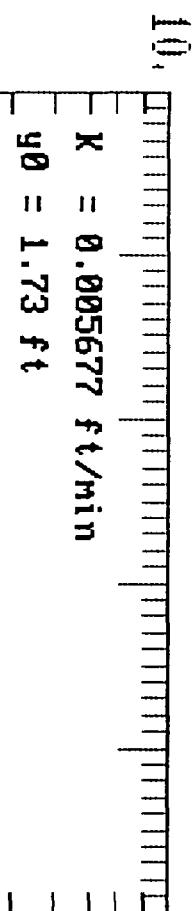
SE2000	
Environmental Logger	
08/04 12:41	
Unit# 1	Test 16
Setups:	INPUT 1
-----	-----
Type	Level (F)
Mode	TOC
I.D.	MW-1,DCS
Reference	0.000
SG	1.000
Linearity	0.013
Scale factor	15.021
Offset	4.000
Delay mSEC	50.000
Step 0	08/04 11:31:24
Elapsed Time	INPUT 1
-----	-----
0.0416	1.232
0.0500	1.142
0.0583	1.066
0.0666	0.995
0.0750	0.948
0.0833	0.895
0.0916	0.848
0.1000	0.805
0.1083	0.763
0.1166	0.725
0.1250	0.687
0.1333	0.654
0.1416	0.620
0.1500	0.592
0.1583	0.564
0.1666	0.540
0.1750	0.516
0.1833	0.497
0.1916	0.474
0.2000	0.455
0.2083	0.436
0.2166	0.421
0.2250	0.407
0.2333	0.393
0.2416	0.383
0.2500	0.374
0.2583	0.360
0.2666	0.350

0.2750	0.341
0.2833	0.331
0.2916	0.322
0.3000	0.317
0.3083	0.312
0.3166	0.303
0.3250	0.298
0.3333	0.293
0.3500	0.279
0.3666	0.274
0.3833	0.265
0.4000	0.255
0.4166	0.246
0.4333	0.241
0.4500	0.237
0.4666	0.227
0.4833	0.222
0.5000	0.218
0.5166	0.213
0.5333	0.208
0.5500	0.203
0.5666	0.203
0.5833	0.199
0.6000	0.194
0.6166	0.194
0.6333	0.189
0.6500	0.184
0.6666	0.180
0.6833	0.180
0.7000	0.175
0.7166	0.175
0.7333	0.175
0.7500	0.170
0.7666	0.170
0.7833	0.165
0.8000	0.161
0.8166	0.161
0.8333	0.161
0.8500	0.156
0.8666	0.156
0.8833	0.151
0.9000	0.151
0.9166	0.151
0.9333	0.146
0.9500	0.146
0.9666	0.146
0.9833	0.142
1.0000	0.142
1.2000	0.123
1.4000	0.109
1.6000	0.094
1.8000	0.085

## Sheet1

2.0000	0.080	
2.2000	0.071	
2.4000	0.061	
2.6000	0.056	
2.8000	0.052	

Brown's Dump Site: MW-4

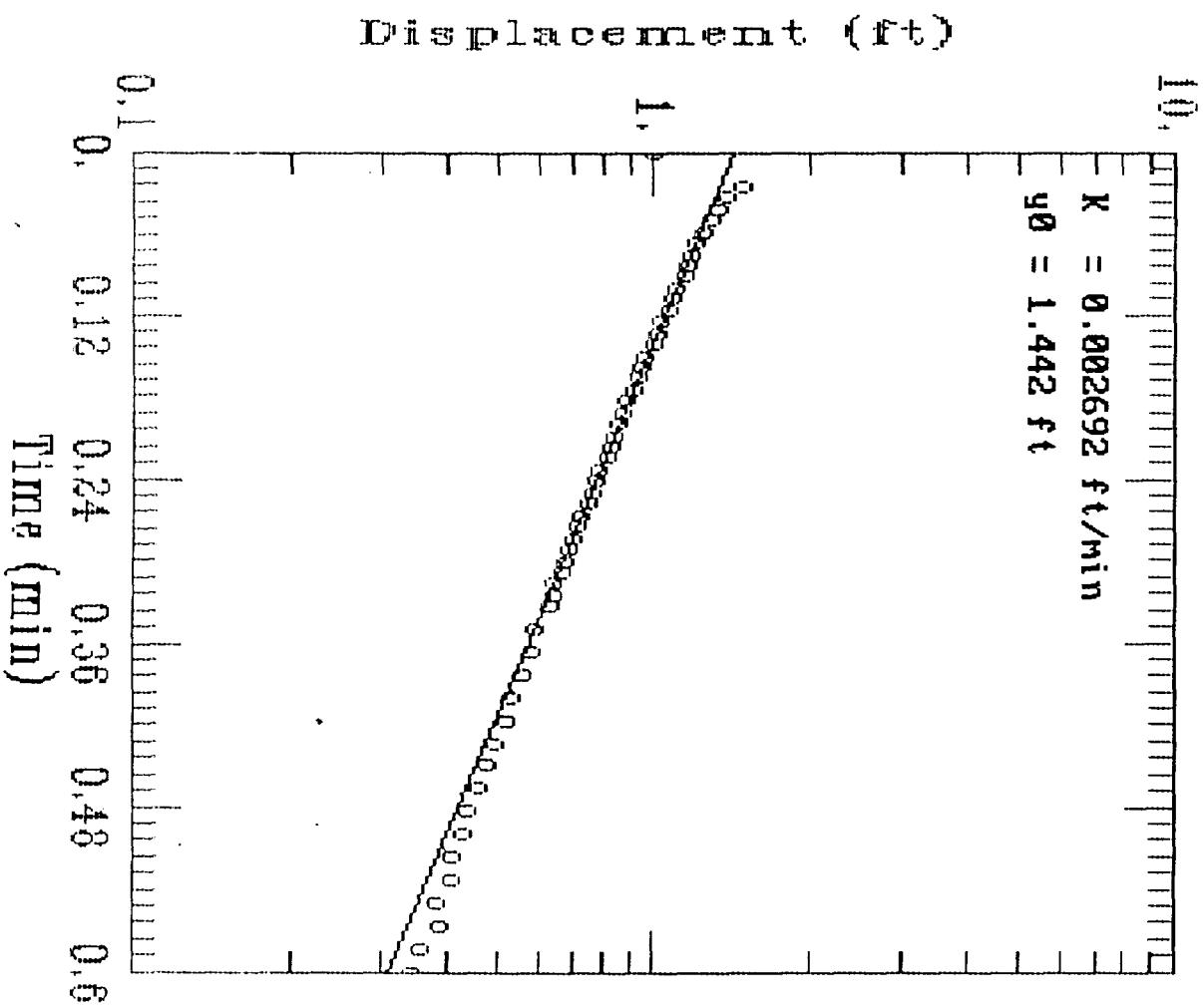


SE2000		
Environmental Logger		
08/04 12:39		
Unit# 1	Test 15	
Setups:	INPUT 1	
-----	-----	
Type	Level (F)	
Mode	TOC	
I.D.	MW-4,BES	
Reference	0.000	
SG	1.000	
Linearity	0.013	
Scale factor	15.021	
Offset	4.000	
Delay mSEC	50.000	
Step 0	08/04 11:01:54	
Elapsed Time	INPUT 1	
-----	-----	
0.0250	1.834	
0.0333	1.630	
0.0416	1.426	
0.0500	1.341	
0.0583	1.284	
0.0666	1.237	
0.0750	1.184	
0.0833	1.142	
0.0916	1.094	
0.1000	1.052	
0.1083	1.009	
0.1166	0.976	
0.1250	0.933	
0.1333	0.895	
0.1416	0.862	
0.1500	0.824	
0.1583	0.786	
0.1666	0.753	
0.1750	0.720	
0.1833	0.687	
0.1916	0.658	
0.2000	0.620	
0.2083	0.592	
0.2166	0.564	
0.2250	0.535	
0.2333	0.507	
0.2416	0.478	
0.2500	0.450	

0.2583	0.426
0.2666	0.402
0.2750	0.379
0.2833	0.360
0.2916	0.336
0.3000	0.317
0.3083	0.298
0.3166	0.279
0.3250	0.260
0.3333	0.241
0.3500	0.213
0.3666	0.189
0.3833	0.165
0.4000	0.146
0.4166	0.127
0.4333	0.113
0.4500	0.104
0.4666	0.090
0.4833	0.080
0.5000	0.075
0.5166	0.066
0.5333	0.061
0.5500	0.056
0.5666	0.052
0.5833	0.047
0.6000	0.042
0.6166	0.042
0.6333	0.037
0.6500	0.033
0.6666	0.033
0.6833	0.028
0.7000	0.028
0.7166	0.028
0.7333	0.028
0.7500	0.028
0.7666	0.023
0.7833	0.023
0.8000	0.023
0.8166	0.018
0.8333	0.018
0.8500	0.018
0.8666	0.018
0.8833	0.018
0.9000	0.014
0.9166	0.018
0.9333	0.014
0.9500	0.014
0.9666	0.014
0.9833	0.014
1.0000	0.014
1.2000	0.009
1.4000	0.009

1.6000	0.004	
1.8000	0.004	
2.0000	0.004	
2.2000	0.004	
2.4000	0.004	
2.6000	0.004	

Brown's Dump Site: MW-8



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SE2000	
Environmental Logger	
08/04 12:36	
Unit# 1	Test 14
Setups:	INPUT 1
-----	-----
Type	Level (F)
Mode	TOC
I.D.	N MW-8, DCS
Reference	0.000
SG	1.000
Linearity	0.013
Scale factor	15.021
Offset	4.000
Delay mSEC	50.000
Step 0	08/03 15:03:05
Elapsed Time	INPUT 1
-----	-----
0.0250	1.488
0.0333	1.389
0.0416	1.341
0.0500	1.299
0.0583	1.266
0.0666	1.218
0.0750	1.190
0.0833	1.175
0.0916	1.147
0.1000	1.114
0.1083	1.100
0.1166	1.066
0.1250	1.033
0.1333	1.024
0.1416	0.995
0.1500	0.972
0.1583	0.953
0.1666	0.934
0.1750	0.915
0.1833	0.896
0.1916	0.877
0.2000	0.862
0.2083	0.839
0.2166	0.825
0.2250	0.815
0.2333	0.791
0.2416	0.772
0.2500	0.758

0.2583	0.744
0.2666	0.725
0.2750	0.711
0.2833	0.697
0.2916	0.682
0.3000	0.678
0.3083	0.668
0.3166	0.644
0.3250	0.635
0.3333	0.630
0.3500	0.592
0.3666	0.573
0.3833	0.554
0.4000	0.531
0.4166	0.516
0.4333	0.493
0.4500	0.474
0.4666	0.459
0.4833	0.440
0.5000	0.431
0.5166	0.407
0.5333	0.412
0.5500	0.384
0.5666	0.388
0.5833	0.355
0.6000	0.346
0.6166	0.350
0.6333	0.331
0.6500	0.317
0.6666	0.308
0.6833	0.308
0.7000	0.298
0.7166	0.279
0.7333	0.289
0.7500	0.260
0.7666	0.260
0.7833	0.241
0.8000	0.241
0.8166	0.232
0.8333	0.232
0.8500	0.222
0.8666	0.208
0.8833	0.203
0.9000	0.208
0.9166	0.189
0.9333	0.189
0.9500	0.189
0.9666	0.189
0.9833	0.175
1.0000	0.175
1.2000	0.109
1.4000	0.080

1.6000	0.056	
1.8000	0.037	
2.0000	0.037	
2.2000	0.028	
2.4000	0.009	